# Phase I Environmental Site Assessment Report



# **Sheffield Residence**

9 Mead Street, Village of Sheffield Sheffield Township, Warren County PA

For

U.S. Department of Agriculture, Forest Services
Allegheny National Forest
222 Liberty Street
Warren, PA 16365

Ву

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# **Executive Summary**

Engineering and Environmental Services, Inc. (EES Group, Inc.) has completed a Phase I Environmental Site Assessment (ESA) of the Sheffield Residence, located at 9 Mead Street, Village of Sheffield, Sheffield Township, Warren County, PA. This ESA was performed in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Designation: E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. In order to complete this assessment, EES performed an on-site evaluation and reviewed State and Federal databases and other historical data. Interviews were also conducted with the USDA Lands Program Manager and the Facility Engineer.

This Phase I ESA report summarizes these activities, including the information obtained, and the conclusions reached.

The property is a 0.41 acre parcel of land with a one story three bedroom dwelling with a full basement, which was built circa 1961.

This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

Asbestos was found to be present on approximately 150 square feet of floor tile and approximately 60 linear feet of duct tape within the dwelling. Lead Based Paint was also found on the walls and wood trim on the exterior of the dwelling.

This report was prepared for the sole use of The USDA Forest Services, Allegheny National Forest. EES does not warrant the information contained in this report for use by any party other than the Client for whom it was prepared. Any reliance on or use of this report by any party other than the Client will be at such third party(s) risk, and no warranties or representations, expressed or implied, are made to any third party.

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# Phase I Environmental Site Assessment Report

#### 1.0 INTRODUCTION

# 1.1 Purpose

EES Group, Inc. (EES) has completed a Phase I Environmental Site Assessment (ESA) of the Sheffield Residence, located in the Village of Sheffield, Sheffield Township, Warren County, PA. The purpose for EES was to identify recognized environmental conditions in connection with the property, to the extent feasible, pursuant to the process included in a Phase I ESA.

# 1.2 Scope of Work

EES performed this Phase I Site Assessment in accordance with the standard practice for a Phase I ESA, as specified in the ASTM Standard E-1527-05. This investigation included all standard and customary procedures for this assessment; no exceptions or exclusions to the standard practice were taken. EES performed a Records Review, Site Reconnaissance, and interviews in preparation of this report.

This Phase I ESA Report presents the findings of that survey, data generated subsequent to our site visit and conclusions regarding the conditions discovered.

# 1.3 Significant Assumptions

The following information and assumptions are based upon ASTM Standard E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process:

As indicated in ASTM Standard E 1527-05, no environmental site assessment (ESA) can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. This practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and recognizes reasonable limits of time and cost.

Additionally, it should be noted that portions of this report are based on unverified information supplied to EES by third-party sources. While efforts have been made to substantiate third-party information, EES cannot guarantee its completeness or accuracy.

EES has performed all activities appropriate and necessary to evaluate the environmental status of the property under Phase I guidelines.

# 1.4 Limitations and Exceptions

This report was prepared for the sole use of The USDA Forest Services, Allegheny National Forest (ANF). EES does not warrant the information contained in this report for use by any party other than the Client for whom it was prepared.

## 1.5 User Reliance

Any reliance on or use of this report by any party other than the Client will be at such third party(s) risk, and no warranties or representations, expressed or implied, are made to any third party.

### 2.0 SITE DESCRIPTION

# 2.1 Location and Legal Description

The subject property is the Sheffield Residence located in the Village of Sheffield in Warren County, PA. The subject property was purchased by the United States of America on July 17<sup>th</sup>, 1942. The property was designated by the United States Forest Service as Tract #121 being a part of Lot #287 and described as follows:

BEGINNING at CORNER 1, common to Wilbur McKean parcel, on a gentle southwesterly slope, a point. Set 2" x 40" iron pipe in the ground. The center of a round window in northeasterly wall of a brick church bears N 79° 47' W, several hundred feet distant.

Thence a line with said Wilbur McKean parcel:

S 80° 13' E. 100.0 feet to CORNER 2, common to said McKean parcel, in westerly line of the Harry H. Potter Estate parcel (formerly Louis Kraeer parcel), in remains an old iron fence line, an old 2" iron pipe set in the ground. The corner of old fences extending N 10° 06' E and about N 80° W bears S 10° 06' W, 374.6 feet distant. A point in the center line of U.S. Highway Route #6 (also known as Roosevelt Highway, also known as Crary Avenue) bears S 10° 06' W, 398.8 feet distant.

Thence a line with said Harry H. Potter Estate parcel:

S 10° 06' W, with said old iron fence line, 95.0 feet to CORNER 3, common to Allen M. Gibson and Marjorie L. Gibson (reserved) parcel, in westerly line of said Harry H. Potter parcel, on a gentle southwesterly slope, a point. Set a 2" x 40" iron pipe in the ground. A point in a water pipe line extending northeasterly to a small concrete reservoir and southwesterly to a dwelling house bears southwesterly, about six feet distant, according to approximate site of said pipe line as identified on the ground by Allen M/ Gibson.

Thence a line with said (reserved) Gibson parcel:

N 80° 13' W, 99.0 feet to CORNER 4, common to said parcel, a point. Set 2" x 40" iron pipe in the ground. A 1" iron pipe set in concrete bears N 02° 44' E. 12.5 feet distant. A frame shed bears north about thirty feet distant.

Thence a line in part with said (reserved) Gibson parcel and in part with Marjorie L. Gibson parcel:

N 80° 13' W, at 5.0 feet passing, in line, the point for corner common to said parcels, in all 100.0 feet to CORNER 5, common to said Marjorie L. Gibson parcel, in easterly line of said Mead Street, in an old iron fence line, a point. Set 2" x 40" iron pipe in the ground. A 4" spruce bears N 50° E, 1.3 feet distant, not blazed or marked. The site of a recently removed iron pipe bears S 86° 45' E, 92.5 feet distant. A point in center line of said U.S. Highway Route #6 bears S 10° 32' W, 303.0 feet distant. The corner common to Lots 278-279-286-287 bears N 66° 14' W, 699.2 feet distant. U.S. Geological Survey Primary Travers station No. 63M bears S 28° 27' W, 639.7 feet distant.

Thence a line with easterly line of said Mead Street:

N 10° 32' E, with said old iron fence line, 84.0 feet to CORNER 6, at intersection of said easterly line of Mead Street with a line in the southerly boundary of said Wilbur McKean parcel, in southerly edge of a driveway leading from Mead Street easterly to Wilbur McKean's garage, a point. Set a 2" x 40" iron pipe flush with surface of ground. An old 2" iron pipe, set flush with surface of ground, bears N 10° 32' E 11.0 feet distant.

Thence two lines with said Wilbur McKean parcel:

S 80° 13' E, 98.4 feet to CORNER 7, a point. Set a 2" x 40" iron pipe in the ground. N 10° 06' E, 11.0 feet to the PLACE OF BEGINNING, containing 0.41 acre, be the same more or less.

# 2.2 Site and Vicinity General Characteristics

The site was located on the east side of Mead Street near the intersection of Oak Street. A three bedroom one and a half bathroom home was built on the site in 1961. The home was situated on the west central portion of the 95' x 200' lot, leaving the largest portion of the lot open to the backyard. The home had approximately 1,258 square feet of living space and contained a full basement. The home was fronted to the east by Mead Street. Access to the home was provided by a poured concrete driveway, which entered the property from Mead Street.

# 2.3 Current Use of the Property

The home currently serves as temporary housing for National Forest employees and was occupied during the time of the site visit.

# 2.4 Property Description

The site utilities included electricity, telephone, natural gas, municipal water and sewer services. The home was heated with a forced air natural gas furnace, which was installed in 1987. The grounds around the property consisted of grass, which appeared to be well kept. The natural drainage appeared to be directed toward the south of the property.

# 2.5 Current Use of Adjoining Properties

The north side of the property was bordered by a residential home, which appeared to be at a slightly higher elevation.

The east property line was bordered by wooded grounds and residential property.

The south section of the property was bordered by a residential home, which appeared to be at a slightly lower elevation.

The west property line was bordered by Mead Street with residential homes beyond the street.

### 3.0 USER PROVIDED INFORMATION

## 3.1 Title Records

Title Records were provided by the Allegheny National Forest. The property was purchased on July 17<sup>th</sup>, 1942 from Allen M. Gibson and Marjorie L. Gibson. The land was designated as U.S. Tract 121, which was part of Lot 287.

Tax assessment records were also provided by the Allegheny National Forest. The tax records were taken from assessment books in the Commissioner's Office, Warren County and dated back to 1848. Through the period of 1848 through 1851, taxes were assessed to Daniel D. Bowers and George W. Head. In 1852 until 1858, the taxes were assessed to Daniel D. Bowers. The taxes were assessed to Frank Henry in 1859 until 1864. In 1865 through 1892 the taxes were assessed to Horton and Company, Horton, Web, and Walter, and Horton and Crary. From 1892 though 1903 the taxes were assessed to Jerry Crary. The taxes were not assessed in 1903. In 1905 until 1919, the taxes were assessed to Frank Dickinson, fl. J. Crary. From 1920 until 1942, the taxes were assessed to H.A. Gibson, with portions of the property assessed to F.E. Inscho, Wilbur McKean, and Mrs. Allen M. Gibson.

# 3.2 Environmental Liens or Activity of Use Limitations

Allegheny National Forest was not aware of any Environmental Liens or Activity Use Limitation on the property.

# 3.3 Specialized Knowledge

Allegheny National Forest did not provide any additional specialized knowledge concerning the property.

#### 3.4 Reasonable Ascertainable Information

The Allegheny National Forest provided all available information concerning the property. The past uses of the property were communicated, there has been no known spills or chemical releases, and there has not been any environmental cleanups that have taken place at the property.

# 3.5 Owner, Property Manager, Occupant Information

The property is owned and managed by the USDA Forest Services, Allegheny National Forest. The home on the property is currently used as temporary housing for National Forest employees.

#### 3.6 Reason for Phase I

The property was identified for conveyance on the Facility Master Plan for the Allegheny National Forest. The sale of the property will reduce unneeded maintenance costs and allow for maintenance funding for the existing ANF owned properties.

This Phase I ESA will be used to quantify any recognized environmental conditions that may have a potential affect on this type of transaction.

# 4.0 RECORDS REVIEW

#### 4.1 Records Review

The following records and databases were searched for a one mile radius as part of the Scope of Work for this Phase I- ESA:

# **Federal Records**

ABBREVIATION	DESCRIPTION
NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
De-listed NPL	National Priorities List Deletions
NPL Recovery	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, Liability Information System.
CERCLIS-NFRAP	No further Remedial Action Planned

ABBREVIATION	DESCRIPTION
CORRACTS	Corrective Action Report
RCRA	Resource Conservation and Recovery Act
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
USENG	Engineering Controls Sites List
US INST	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US Brownfield	A listing of Brownfield Sites
Consent	Superfund (CERCLA) Consent Decrees
ROD	Records of Decision
UMTRA	Uranium Mill Tailings
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substance Control Act
FTTS	FIFRA/TSCA tracking system
FTTS INSP	FIFRA/TSCA tracking system
SSTS	Section 7 Tracking System
PADS	PCB Activity Database
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
BRS	Biennial Reporting System

# State Records Search

ABBREVIATION	DESCRIPTION
SHWS	Hazardous Waste Cleanup Act Sites List
HCSA	HSCA Remedial Sites Listing
SWF/LF	Licensed Solid Waste Facilities
HIST LF	Old Solid Waste Landfill
LUST	Leaking Underground Storage Tank File
UNREG LTANKS	Ohio Leaking UST File

UST	Underground Storage Tank File
LAST	Storage Tank Release Sites
AST	Listing of PA Regulated ASTs
PA Manifest	Manifest Information
ACT 2-Deed	Act-2 Deed Acknowledgement Sites
ENG CONTROLS	Engineering Controls Site List
INST CONTROL	Institutional Controls Site Listing
VCP	Voluntary Cleanup Sites
DRYCLEANERS	Drycleaners Facility Locations
BROWNFIELDS	Brownfield Sites
AIRS	Permit and Emissions Inventory Data

# **Tribal Records**

ABBREVIATION	DESCRIPTION
INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks
INDIAN UST	Underground Storage Tanks

# **Other Database**

Abbreviation	Description
EDR Proprietary Historical Databases	Manufactured Gas Plants

# 4.2 Records Review Results for the Property

The target property was the Sheffield Residence, located at 9 Mead Street, Village of Sheffield, Warren County, PA. The approximate elevation of the target property was 1,382 ft above sea level. There were no results found in the databases searched as part of this ESA for the target property. The records review summary is also included in Appendix B of this report.

# 4.3 Records Review Results for the Adjoining Properties

Federal, State, and Local Database

There were no results found in the searched databases for the adjoining properties. Two facilities were found to be listed in the Leaking Underground Storage Tank (LUST) database, which contained incident reports on leaking underground storage tanks.

The first facility reported as having a LUST was listed as Lanes SVC, located at 306 S. Main, Sheffield, PA 16347. The facility had a leaking tank reported on August 8, 1989. The cleanup was listed as completed on June 24, 1996. The facility was located approximately 1/8-1/4 of a mile south and at a lower elevation (1,254 feet) than the target property. Based on the lower elevation and the distance of the facility from the target property, it is unlikely that the LUST would have introduced contamination on the target property.

The second facility reported as having a LUST was listed as Sheffield Container Corporation located at 311 Horton Ave, Sheffield, PA 16347. The facility had a LUST reported on August 5, 1989. The interim remedial actions were listed as completed in March 14, 2003. The facility was located approximately 1/4-1/2 mile east by southeast and was at a lower elevation (1353 feet) than the target property. Based on the lower elevation and distance of the facility from the target property, it is unlikely that the LUST would have introduced contamination on the target property.

One facility within 0.5 miles of the property was listed in the underground storage tank (UST) database and also the archive UST database. The UST database contains a listing of facility which contains regulated underground storage tanks.

The facility was listed as Lanes SVC located at 306 S. Main St, Sheffield, PA 16347. The facility was reported as having one 10,000 gallon diesel fuel tank currently in use, one 3,000 gallon gasoline tank currently in use, and one 9,000 gallon gasoline tank currently in use. Based on the lower elevation and the distance of the facility from the target property, it is unlikely that any future leaks from these USTs would introduce contamination on the target property.

In addition to the sites listed above, records were found on the following orphan sites. Orphan sites are facilities that are found in the database search but do not contain enough information to provide the details of the elevations, or locations in reference to the target property. The summary of the sites are listed below:

The Mayburg Tar Pit located 10 miles North of Rt 36, Lot #18, 16347 was listed in the CERC-NFRAP database.

- The Mayburg TAR SEEP located on Township Road T357 (Kingsley Road), 16347 was listed in the CERCLIS and FINDS database.
- The Sheffield Ranger District located at RR1 Route 6, 16347 was listed in the AST database.
- The INTL Petro located at RTE 6, W 16347, was listed in the LUST database.
- The Sheffield Veterans Club located on Austin Hill Rd, 16347 was listed in the FINDS database.
- The Valeo Engine Cooling located at PO Box 488, 16347 was listed in the FINDS database.
- Johns Auto Sales located on Box 642, Route 6 W, 16347 was listed in the RCR-SQG and FINDS databases.
- Fitch's Landfill located at Bull Hill Rd. (next to Unimart IN S) 16347 was listed in the HIST LF database.
- The Sheffield TWP STP located at 20 Leather St., 16347 was listed in the FINDS database.
- The Unimart 04152 located on Main and High St, 16347 was listed in the UST database.
- The National Fuel Gas Roystone Field Station located at Star Rte Box 574, 16347 was listed in the RCRA-SQG database.
- The Roystone Compressor Station located at Star Rte Box 574, 16347 was located in the UST and AST databases.
- The Ludlow Tannery Lagoon located at Rte 6 on Warren/McKean County Line, 16347 was listed in the CERC-NFRAP database.
- Fitch's Landfill located on Bull Hill Rd IR1031, 16347 was listed in the CERC-NFRAP database. The Marienville STP located at 2005 S. Forest St was listed in the FINDS database.

# Well log Searches

There were 21 well logs that were found within 1/2 to 1 mile of the property. The wells consisted of domestic and public potable water wells. One of the twenty-one wells was listed as having been under past enforcement actions. The enforcement actions consisted of violations concerning nitrates, nitrites, and coli form in a public water supply well. The well appeared to supply occupants of the Inn. According to the records, the well achieved state compliance on July 12, 2006. The well was located approximately 0-1/8 of a mile at a lower elevation than the target property.

## 5.0 SITE RECONNAISSANCE

# 5.1 Methodology

A site visit was conducted on December 13, 2006, to provide observations for this ESA. Visual observations were recorded, and the site was photo-documented. The exterior observations began on the north side off the property and continued around the property a clockwise fashion. After the exterior observations were made, the exterior and interior of the dwelling was investigated to look for visible signs of unfavorable environmental conditions.

# 5.2 General Site Setting

According to the Physical Source Setting Summary of the Property (included in Appendix B) the general topographical gradient was to the south and slightly west. The property was not listed in a FEMA flood zone. The property was also not included in the National Wetlands inventory. The depth to the water table for the area was reported to be greater than 60 inches with the depth to bedrock also greater than 60 inches. The upper surficial shallow layer of soil and the deeper soil layers consist of silts and gravely loams.

#### 5.3 Exterior Observations

## North

- The property was bordered by a residential home that appeared to be at a higher elevation. The property beyond the residential property consisted of wooded lands.
- The ground appeared to slope to the south or toward the subject property.

#### East

- The property was bordered by wooded lands with residential property beyond the woods.
- A tree line appeared to separate the property boundaries.
- The ground appeared to slope slightly to the west or towards the subject property.

# South

- The property was bordered by residential homes.
- The ground appeared to slope to the south or away from the subject property.

#### West

- > The property was bordered by Mead Street.
- There was a storm water line located on the northwest corner of the property. The line appeared to drain to the south.
- The west side of Mead Street was bordered by residential homes.

# 5.4 Dwelling Observations

#### Exterior

- The exterior of the dwelling was finished with painted wood siding.
- The roof was finished with three-tabbed asphalt shingles, which were installed in 1983.
- The paint around the exterior windows and garage door was observed to be peeling.
- The gutter and downspout system appeared to be intact.

### Interior First Floor

- The floors in the kitchen and bathroom areas were finished with 9" x 9" tiles; the remaining floor surfaces throughout the home were finished with hardwood.
- The walls were finished with painted drywall. The ceiling was finished with plaster.
- Approximately one inch of batted fiberglass insulation was observed covering the trusses in the attic.
- The tiles in the bathroom and kitchen area and the plaster ceiling appeared to be possible asbestos containing materials (ACM).

# Interior Basement

- The floor consisted of poured concrete. The walls forming the foundation of the home consisted of poured concrete. The ceiling was unfinished. The floor joists consisted of 2" x 10" wood members.
- The natural gas furnace and water heater were located on the south side of the room.
- The furnace condensate line was disconnected from the unit. Visible staining and standing water was observed on the floor.
- Light staining and possible visible mold was observed on the north, south, and east walls. The staining extended approximately four feet above the floor surface, along each wall.

# 6.0 INTERVIEWS

# 6.1 Interview Lands Program Manager

The interview with Mr. Ralph M. Bowmaster, USDA Forest Service, Allegheny National Forest, Lands Program Manager, took place in person on December 13, 2006. The following information was obtained during the interview:

- The dwelling was built in 1961 and was used as housing for National Forest employees.
- Renovation took place in 1981 and consisted of installing new plumbing fixtures, upgrades to the wiring and breaker box, and interior painting.
- Mr. Bowmaster was unaware and any spills or environmental cleanups that may have taken place on the property.
- To the best of his knowledge, Mr. Bowmaster was unaware of any environmental issues with the property.

# 6.2 Interview with Facilities Engineer

The interview with Len Jedreck, USDA Forest Service, Allegheny National Forest, Facilities Engineer, took place on January 8, 2007, via teleconference. The following information was obtained during the interview:

- Mr. Jedreck had been employed by the ANF since 1979 and was familiar with the past property uses.
- There were no known environmental liens filed against the property.
- There were no activity and land use limitations imposed on the property.
- The property was used for temporary housing for employees.
- Mr. Jedreck did not believe that hazardous materials were ever stored on the property.
- There had been no known or reported environmental spills on the property.
- There had been no known environmental spills or environmental cleanups on the adjoining properties.
- To the best of his knowledge, Mr. Bowmaster was unaware of any environmental issues with the property.

#### 7.0 ADDITIONAL SERVICES

Based on the age of the structure and building materials, and the unknown future use of the property, the Allegheny National Forest elected to have an Asbestos Survey and Lead-Based Paint Inspection and Risk Assessment performed as part of this Phase I ESA.

# 7.1 Asbestos Survey

The asbestos survey included a thorough inspection of the interior and exterior building materials. The purpose of the survey was to quantify the presence, amounts, and locations of asbestos containing materials, and provide cost estimates for the removal of these materials. The survey was conducted by Mr. Mark Mittlemeier, Certification #187-58-5052-ST, a certified Asbestos Building Inspector in the Common Wealth of Pennsylvania. The conclusions of the asbestos survey are found below. The asbestos survey report has been included in Appendix D of this document.

- The tiles in the front and back restrooms were found to be nonfriable asbestos containing materials (ACM). The total area of the ACM was approximately 150 square feet.
- The duct tape insulation in the basement was found to be ACM with an approximate area of 60 linear feet.
- The estimated cost to remove the ACM from the home was \$1,500.00. This price would include the required monitoring, removal, and subsequent disposal into an EPA approved landfill, in accordance with Federal, State, and Local regulations.

# 7.2 Lead Based Paint Inspection and Risk Assessment

The Lead Based Paint (LBP) Inspection and Risk Assessment included a thorough inspection of the exterior and interior surfaces, and the surrounding soils. The inspection included sampling, analysis, risk assessment, and cost estimates for removal. The inspection was performed by Mr. Mark Murphy, Certification # 003903, of Microbac Laboratories, Inc, a Lead Based Paint Risk Assessor certified by the Commonwealth of Pennsylvania. The LBP Inspection and Risk Assessment report conclusions are summarized below and can also be found in Appendix E of this report.

- Positive Lead Based Paint (LBP) was found on the exterior walls of the home.
- LBP was also found on the painted wood trim around the windows on the exterior of the home.
- Lead concentrations of 144 mg/kg were found in the soils below a drip line on an exterior wall. The levels were below the Toxic

Substance Control Act (TSCA) Section 403 standards for lead based paint in soil (400 mg/kg).

- Two cost options for addressing the LBP are provided below:
  - Option1 Encapsulation: This would include placing a barrier over the existing lead based paint to minimize the risks of exposure and dust generation. The rough cost estimate for encapsulating the confirmed surfaces is \$1,100.00.
  - Option 2 Component Removal: This would include the removal of the LBP containing window surrounds and siding. This is usually the most expensive approach, but may provide other benefits, such as lowering maintenance costs and increasing the property value with the installation of newer materials. The rough cost estimate for component removal (not including the replacement costs) is \$3,000.00.

### 8.0 FINDINGS

# 8.1 Summary of Findings

Information gathered during this ESA has revealed the following findings:

- There were no recognized environmental conditions observed during the site reconnaissance.
- There were no results found in the databases searched as part of this ESA for the target property.
- Two nearby facilities were found to be listed in the Leaking Underground Storage Tank (LUST) database, which contains incident reports on leaking underground storage tanks. Both facilities were located approximately 1/4 mile from the target property and were at a lower elevation.
- There were fourteen facilities within one mile of the property that were listed in Federal, State, and Local databases. The facilities did not appear to pose an impact on the target property.
- Of the twenty-one well logs that were found in the search, one of the public drinking water wells had been under previous enforcement actions for levels of nitrates and coli form. The well was located approximately 1/8-1/4 mile from the property and at a lower elevation.
- Approximately 150 square feet of asbestos floor tiles and 60 linear feet of duct tape were found in the residence.

- Lead Based Paint was found on the exterior surfaces of the dwelling. The surfaces included the wood trim around the windows and the wood siding.
- Lead Based Paint was found below the TSCA Section 403 standards in the soil below the drip lines of an exterior wall.

### 9.0 OPINIONS

The presence of leaking underground storage tanks on adjoining properties can pose a potential risk of the migration of petroleum contaminants onto the surrounding properties. It is good practice to review the location and elevations of the leaking underground storage tanks in relation to the property. In this case, both sites were located approximately 1/4 mile from the site and were at a lower elevation and did not border the property. Based on this information, it is unlikely that contaminants from these leaking tanks would have migrated onto the property.

The orphan sites found in the database were not in close proximity to the property and do not appear to pose a risk of negative environmental conditions.

The public water supply well listed for enforcement actions was located 1/8 of a mile from the property and at a lower elevation. Additionally, the property's water is supplied by a municipal source, which suggests that this public water supply well would not pose a risk.

Although Asbestos and Lead are considered not scope issues under the Phase I practice, both substances can pose a risk to occupants of a building. The highest occurs when these materials are disturbed, which can cause dusts or fibers to be released into the air.

### 10.0 CONCLUSIONS

EES had performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Sheffield Residence located at 9 Mead Street, Village of Sheffield, Warren County, PA, *The Property*. Any exceptions to or deletions from this practice are described in Sections 1.3, 1.4, and 1.5 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property. The results of the asbestos survey and lead based paint inspection revealed the following:

- The tiles in the front and back restrooms were found to be non-friable asbestos containing materials (ACM). The total area of the ACM was ~150 square feet.
- The duct tape insulation in the basement was found to be ACM with an approximate area of 60 linear feet.

- The estimated cost to remove the ACM from the home would be \$1,500.00. This price would include the required monitoring, removal, and subsequent disposal into an EPA approved landfill in accordance with Federal, State, and Local regulations.
- Positive Lead Based Paint (LBP) was found on the exterior walls of the home.
- LBP was also found on the painted wood trim around the windows on the exterior of the home.
- Lead concentrations of 144 mg/kg were found in the soils below a drip line on an exterior wall.
- Lead concentrations of 144 mg/kg were found in the soils below a drip line on an exterior wall. The levels were below the Toxic Substance Control Act (TSCA) Section 403 standards for lead based paint in soil (400 mg/kg).
- Two cost options for addressing the LBP are provided below:
  - Option1 Encapsulation: This would include placing a barrier over the existing lead based paint to minimize the risks of exposure and dust generation. The rough cost estimate for encapsulating the confirmed surfaces is \$1,100.00.
  - Option 2 Component Removal: This includes the removal of the LBP containing window surrounds and siding. This is usually the most expensive approach, but may provide other benefits, such as lowering maintenance costs and increasing the property value with the installation of newer materials. The rough cost estimate for component removal (not including the replacement costs) is \$3,000.00.

### 11.0 REFERENCES

-ASTM International, Designation E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process

-EDR, Environmental Resources Inc.

## 12.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in Section 312.10 of 40 CFR 312, and I have the specific qualification based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

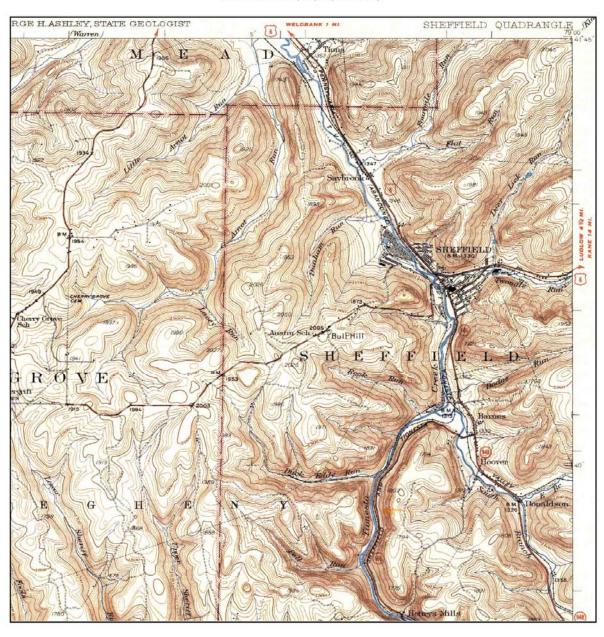
Respectfully submitted,

Ronald L. Lucy Jr., CHMM Director of Environmental Health and Safety

# **APPENDIX A**

# **Topographical Maps**

# **Historical Topographic Map**



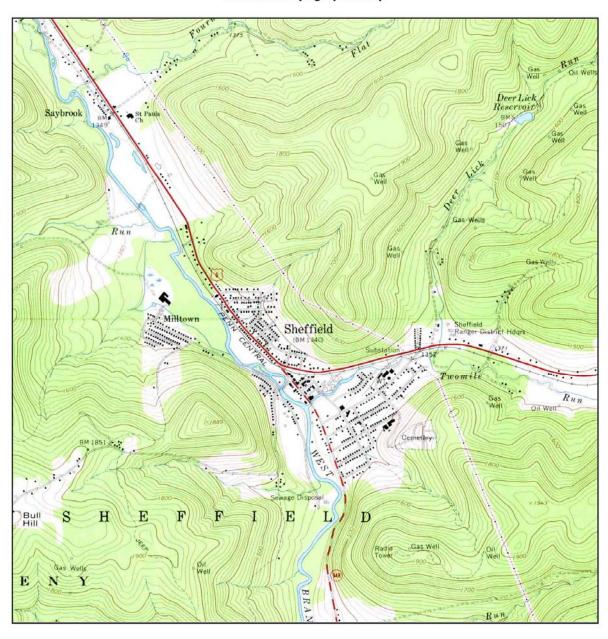
N A TARGET QUAD

NAME: SHEFFIELD MAP YEAR: 1941

SERIES: 15 SCALE: 1:62500 SITE NAME: Sheffield Residence ADDRESS: 9 Mead Street

Sheffield, PA 16347 LAT/LONG: 41.7044 / 79.0333 CLIENT: EES, Inc.
CONTACT: Ron Lucy
INQUIRY#: 1818572.11
RESEARCH DATE: 12/18/2006

# **Historical Topographic Map**



×

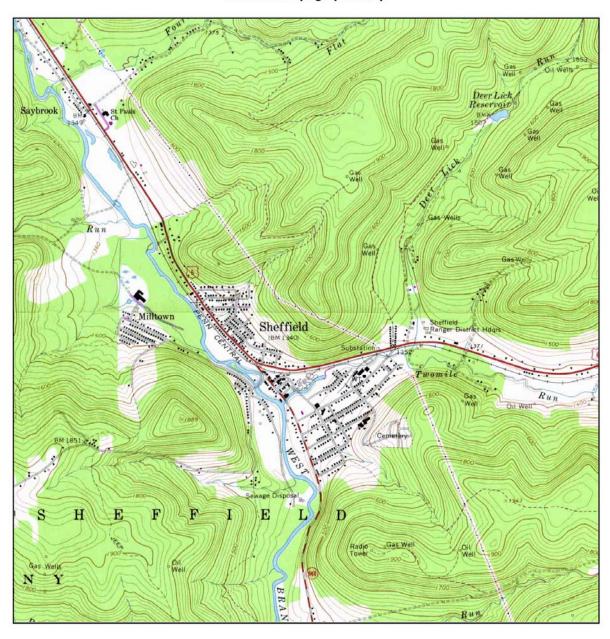
TARGET QUAD NAME: SHEFFIELD

MAP YEAR: 1966

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Sheffield Residence ADDRESS: 9 Mead Street

Sheffield, PA 16347 LAT/LONG: 41.7044 / 79.0333 CLIENT: EES, Inc.
CONTACT: Ron Lucy
INQUIRY#: 1818572.11
RESEARCH DATE: 12/18/2006

# **Historical Topographic Map**



×

TARGET QUAD

NAME: SHEFFIELD MAP YEAR: 1973

PHOTOREVISED FROM:1966

SERIES: 7.5 SCALE: 1:24000 SITE NAME: Sheffield Residence ADDRESS: 9 Mead Street

Sheffield, PA 16347 LAT/LONG: 41.7044 / 79.0333 CLIENT: EES, Inc.

CONTACT: Ron Lucy

INQUIRY#: 1818572.11

RESEARCH DATE: 12/18/2006

# **APPENDIX B**

# Site Data - Records Review



# The EDR Radius Map with GeoCheck®

Sheffield Residence 9 Mead Street Sheffield, PA 16347

Inquiry Number: 1818572.9s

December 15, 2006

# The Standard in Environmental Risk Management Information

440 Wheelers Farms Road Milford, Connecticut 06461

# **Nationwide Customer Service**

Telephone: 1-800-352-0050 Fax: 1-800-231-6802 Internet: www.edrnet.com

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Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings.	A-8
Physical Setting Source Records Searched	A-27

Thank you for your business. Please contact EDR at 1-800-352-0050 with any questions or comments.

#### Disclaimer - Copyright and Trademark Notice

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\*\*Convision Office of the Amount Paid For Paid and Paid Report and Paid as legal advice.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### ADDRESS

9 MEAD STREET SHEFFIELD, PA 16347

#### COORDINATES

Latitude (North): 41.704400 - 41° 42' 15.8" Longitude (West): 79.033300 - 79° 1' 59.9"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): UTM Y (Meters): 663637.2 4618612.5

Elevation: 1382 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

41079-F1 SHEFFIELD, PA Target Property Map:

Most Recent Revision:

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### FEDERAL RECORDS

NPL......National Priority List 

CERCLIS\_\_\_\_\_\_Comprehensive Environmental Response, Compensation, and Liability Information

System

CERC-NFRAP...... CERCLIS No Further Remedial Action Planned

RCRA-LQG Resource Conservation and Recovery Act Information

RCRA-SQG. Resource Conservation and Recovery Act Information ERNS. Emergency Response Notification System
HMIRS. Hazardous Materials Information Reporting System
US ENG CONTROLS. Engineering Controls Sites List
US INST CONTROL. Sites with Institutional Controls
DOD. Department of Defense Sites
FUDS. Formerly Used Defense Sites
US BROWNFIELDS. A Listing of Brownfields Sites
CONSENT. Superfund (CERCLA) Consent Decrees
ROD. Records Of Decision
UMTRA. Uranium Mill Tailings Sites
ODI. Open Dump Inventory
TRIS. Toxic Chemical Release Inventory System
TSCA. Toxic Substances Control Act
FTTS. FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS. Section 7 Tracking Systems
IclS. Integrated Compliance Information System
PADS. PCB Activity Database System
MLTS. Material Licensing Tracking System
MINES. Mines Master Index File
FINDS. Facility Index System/Facility Registry System
RAATS. RCRA Administrative Action Tracking System

#### STATE AND LOCAL RECORDS

#### TRIBAL RECORDS

INDIAN RESERV...... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

#### EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

#### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed

data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

#### STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Resources' List of Confirmed Releases.

A review of the LUST list, as provided by EDR, and dated 10/03/2006 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
LANES SVC Facility Status: Cleanup Completed	306 S MAIN ST	1/8 - 1/4\$	A2	8
SHEFFIELD CONTAINER	311 HORTON AVE	1/4 - 1/2ESE	3	8
Facility Status: Interim Remedial Action	s Initiated or Completed			

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RGRA). The data come from the Department of Environmental Resources' Regulated Underground Storage Tank Listing.

A review of the UST list, as provided by EDR, and dated 10/02/2006 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
LANES SVC	306 S MAIN ST	1/8 - 1/4 \$	A1	6

**ARCHIVE UST:** The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

A review of the ARCHIVE UST list, as provided by EDR, and dated 10/02/2006 has revealed that there is 1 ARCHIVE UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
LANES SVC	306 S MAIN ST	1/8 - 1/4 S	A1	6

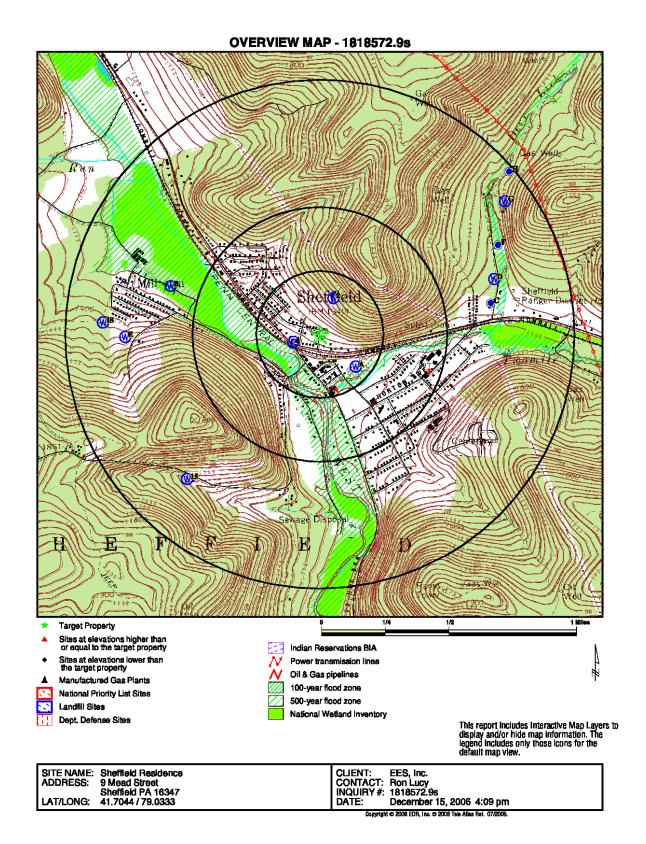
Due to poor or inadequate address information, the following sites were not mapped:

#### Site Name

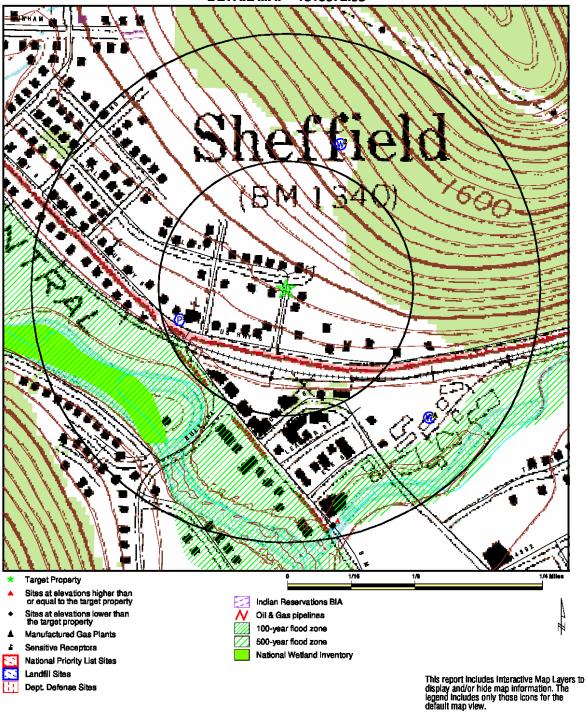
MAYBURG TAR SEEP
MAYBURG TAR PIT
LUDLOW TANNERY LAGOON
FITCH'S LANDFILL
FITCHS LANDFILL
INTL PETRO
UNI MART 04152
ROYSTONE COMPRESSOR STA
SHEFFIELD RANGER DIST
JOHNS AUTO SALES
NATIONAL FUEL GAS ROYSTONE FIELD STATION
SHEFFIELD VETERANS CLUB
VALEO ENGINE COOLING/SHEFFIELD
SHEFFIELD TWP STP

#### Database(s)

CERCLIS, FINDS
CERC-NFRAP
CERC-NFRAP
CERC-NFRAP
HIST LF
LUST
UST
UST
UST, AST
AST
RCRA-SQG, FINDS
RCRA-SQG
FINDS
FINDS
FINDS



#### **DETAIL MAP - 1818572.9s**



Copyright © 2006 EDR, Inc. © 2008 Tele Atlas Rel. 07/2006.

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>&gt; 1</u>	Total Plotted
FEDERAL RECORDS								
NPL Proposed NPL Delisted NPL NPL RECOVERY CERCLIS CERC-NFRAP CORRACTS RCRA TSD RCRA Lg. Quan. Gen. RCRA Sm. Quan. Gen. ERNS HMIRS US ENG CONTROLS US INST CONTROL DOD FUDS US BROWNFIELDS CONSENT ROD UMTRA ODI TRIS TSCA FTTS SSTS ICIS PADS MLTS MINES FINDS		1.000 1.000 1.000 TP 0.500 0.500 1.000 0.250 0.250 TP TP 0.500 1.000 1.000 1.000 0.500 1.000 TP	0 0 0 NR 0 0 0 0 0 RR 0 0 0 0 0 0 0 0 0	0 0 0 R 0 0 0 0 0 0 R 0 0 0 0 0 0 0 0 0	000R0000KKKKC000000000KKKKKKKKKKKKKKKKK	0000XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECOR	RDS							
State Haz. Waste HSCA SWF/LF HIST LF LUST UNREG LTANKS UST ARCHIVE UST LAST AST ARCHIVE AST MANIFEST ACT 2-DEED ENG CONTROLS		1.000 1.000 0.500 0.500 0.500 0.250 0.250 0.250 TP 0.250 0.500 0.500	0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 1 1 0 1 1 0 0 NR 0	0 0 0 1 0 NR NR 0 NR NR NR NR	0 0 NR NR NR NR NR NR NR NR NR NR NR NR	25 25 25 25 25 25 25 25 25 25 25 25 25 2	0 0 0 0 2 0 1 1 1 0 0 0

# **MAP FINDINGS SUMMARY**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	<u>&gt; 1</u>	Total Plotted
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECO	ORDS							
Manufactured Gas Plant	S	1.000	0	0	0	0	NR	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction MAP FINDINGS

Distance Distance (ft.) Elevation

Database(s) EPA ID Number

LANES SVC 306 S MAIN ST SHEFFIELD, PA 16347 South 1/8-1/4 1254 ft.

Site 1 of 2 in cluster A

UST U003556470 ARCHIVE UST N/A

EDR ID Number

#### Relative: Lower

Actual: 1319 ft.

UST

Municipality Name: Sheffield Client Id Number: 183974 GARY LANE Mailing Name: Mailing Address: 306 S MAIN ST Mailing Address 2: Not reported

Mailing City, St, Zip: SHEFFIELD, PA 16347-2010

Site ID 590329 Other Id: 62-36970 2nd Facility Addr: Not reported

EP Nw Rgnl Off Meadville 2006-12-04 00:00:00 Region Code: Regulated Expiration:

Tank Seq No: 001 UST Tank Code: Date Installed: 1995-09-12 0 Capacity: 10000

Substance: Diesel Fuel Tank Status: Currently in Use Inspection Code: FOI

Tank Last Dt Inspected: Not reported Region Code: 4600

Municipality Name: Sheffield Client Id Number: 183974 Mailing Name: GARY LANE Mailing Address: 306 S MAIN ST Mailing Address 2: Not reported

SHEFFIELD, PA 16347-2010 Mailing City,St,Zip:

Site ID: Other Id: 590329 62-36970 2nd Facility Addr: Not reported

Region Code: EP Nw Rgnl Off Meadville Regulated Expiration: 2006-12-04 00:00:00

Tank Seq No: Tank Code: UST Date Installed: 1995-09-12 0 Capacity: 3000 Substance: Gasoline Tank Status: Currently in Use Inspection Code: FOI

Tank Last Dt Inspected: Not reported 4600 Region Code:

Municipality Name: Sheffield Client Id Number: 183974 Mailing Name: GARY LANE Mailing Address: 306 S MAIN ST Mailing Address 2:

Not reported SHEFFIELD, PA 16347-2010 Mailing City,St,Zip:

590329 Site ID: Other Id: 62-36970 2nd Facility Addr: Not reported

Region Code: EP Nw Rgnl Off Meadville Map ID Direction MAP FINDINGS

Distance Distance (ft.) Elevation

Database(s)

EDR ID Number EPA ID Number

U003556470

#### LANES SVC (Continued)

Regulated Expiration: 2006-12-04 00:00:00

Tank Seq No: Tank Code: UST 1995-09-12 0 Date Installed: Capacity: 9000 Substance Gasoline Tank Status: Currently in Use Inspection Code: FOI Tank Last Dt Inspected: Not reported Region Code:

ARCHIVE UST:

Facility Id: 590329 Site ID: Not reported Tank Íd: Not reported Tank Sequence #: 003 Other Id: 62-04903 Tank Code: UST Client Date 190258 Municipality: Sheffield Install Date: 09/12/95 Status: Currently In Use Substance: GAS Capacity: 8000

Not reported Owner Id: Not reported Not reported Owner Name Owner Address: Owner Address 2: Not reported Owner City, St, Zip: Not reported Owner Phone: Not reported County Code Not reported Resp Party Name: REBAKER & SONS RP Address: RP Address 2: PO BOX 275 224 N MAIN ST

RP City,St,Zip: CLARENDON, PA 16313-0275

Region Code:

Region Code Name: NW REGIONAL OFFICE, MEADVILLE Regulated Expire Date: 12/04/04

Inspection Code: FOI Last Inspection: Status Code End Date: Not reported Tank Substance End Date: Not reported

Facility Id: 590329 Site ID: Not reported Tank Id: Tank Sequence #: 004 Not reported Other Id: 62-04903 Tank Code: UST Client Date: 190258 Municipality: Sheffield Install Date: 09/12/95 Status: Currently In Use Substance: GAS Capacity: 4000

Owner Id: Not reported Owner Name: Not reported Owner Address: Not reported Owner Address 2: Owner City,St,Zip: Not reported Not reported Owner Phone: Not reported Not reported County Code: Resp Party Name: REBAKER & SONS RP Address: PO BOX 275 RP Address 2: 224 N MAIN ST

RP City,St,Zip: CLARENDON, PA 16313-0275

Region Code:

Region Code Name: NW REGIONAL OFFICE, MEADVILLE

12/04/04 Regulated Expire Date:

EPA ID Number

Map ID Direction MAP FINDINGS Distance Distance (ft.) EDR ID Number

Elevation Site Database(s)

LANES SVC (Continued) U003556470

Inspection Code: FOI Last Inspection:

Status Code End Date: Not reported Tank Substance End Date: Not reported

A2 South LANES SVC LUST S106567086 306 S MAIN ST N/A

1/8-1/4 SHEFFIELD, PA

1254 ft.

Site 2 of 2 in cluster A Relative: LUST:

Lower Facility Id: 62-04903

Actual: 1319 ft. Facility Type: Undergroung Storage Tank Containing Petroleum

Cleanup Completed 1996-06-24 00:00:00 Facility Status: Status Date: 1989-08-05 00:00:00 Release Date:

4600 Region: Description: Lanes Service

SHEFFIELD CONTAINER LUST 1001774518 ESE 311 HORTON AVE

1/4-1/2 SHEFFIELD, PA

2357 ft.

LUST: Relative:

Facility Id: Lower

Undergroung Storage Tank Containing Petroleum Facility Type: Actual: 1353 ft. Interim Remedial Actions Initiated or Completed Facility Status:

2003-03-14 00:00:00 1989-08-05 00:00:00 Status Date: Release Date:

4600 Region: Description: Sheffield Container Corp

### ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MAYBURG	1003865337	MAYBURG TAR PIT	10 MILES NORTH OF RT 36 - LOT #18	16347	CERC-NFRAP
MAYBURG	1006371368	MAYBURG TAR SEEP	TOWNSHIP ROAD T357 (KINGSLEY ROAD)	16347	CERCLIS, FINDS
SHEFFIELD	U003221480	SHEFFIELD RANGER DIST	RR 1 ROUTE 6	16347	AST
SHEFFIELD	S105419569	INTLPETRO	RTE 6 W		LUST
SHEFFIELD	1007674393	SHEFFIELD VETERANS CLUB	AUSTIN HILL RD	16347	FINDS
SHEFFIELD	1004589565	VALEO ENGINE COOLING/SHEFFIELD	PO BOX 488	16347	FINDS
SHEFFIELD	1000571104	JOHNS AUTO SALES	BOX 642 RT 6 WEST	16347	RCRA-SQG, FINDS
SHEFFIELD	S106544583	FITCHS LANDFILL	BULL HILL RD. (NEXT TO UNIMART IN S		HIST LF
SHEFFIELD	1007453675	SHEFFIELD TWP STP	20 LEATHER ST	16347	FINDS
SHEFFIELD	U001100133	UNI MART 04152	MAIN & HIGH ST	16347	UST
SHEFFIELD	1000447376	NATIONAL FUEL GAS ROYSTONE FIELD STATION	STAR RTE BOX 574	16347	RCRA-SQG
SHEFFIELD	U003346695	ROYSTONE COMPRESSOR STA	STAR ROUTE BOX 574	16347	UST, AST
SHEFFIELD TWP	1003865859	LUDLOW TANNERY LAGOON	RTE 6 ON WARREN/MCKEAN CO LINE	16347	CERC-NFRAP
SHELFIELD TWP	1003865613	FITCH'S LANDFILL	BULL HILL RD IR1031	16347	CERC-NFRAP

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To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

#### FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/27/2006 Date Data Arrived at EDR: 11/01/2006 Date Made Active in Reports: 11/22/2006

Number of Days to Update: 21

Source: EPA Telephone: N/A

EPA Region 6

Last EDR Contact: 11/01/2006

Next Scheduled EDR Contact: 01/29/2007 Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 9 EPA Region 5

Telephone: 415-947-4246 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 09/27/2006 Source: EPA Date Data Arrived at EDR: 11/01/2006 Telephone: N/A

Last EDR Contact: 11/01/2006 Date Made Active in Reports: 11/22/2006

Number of Days to Update: 21 Next Scheduled EDR Contact: 01/29/2007 Data Release Frequency: Quarterly

**DELISTED NPL:** National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate

Date of Government Version: 09/27/2006 Date Data Arrived at EDR: 11/01/2006

Date Made Active in Reports: 11/22/2006

Number of Days to Update: 21

Source: EPA Telephone: N/A

Last EDR Contact: 11/01/2006

Next Scheduled EDR Contact: 01/29/2007 Data Release Frequency: Quarterly

#### NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL

Date of Government Version: 08/09/2006 Date Data Arrived at EDR: 09/21/2006 Date Made Active in Reports: 11/22/2006 Number of Days to Update: 62

Source: EPA Telephone: 703-603-8960 Last EDR Contact: 09/21/2006 Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/10/2006 Date Data Arrived at EDR: 10/25/2006 Date Made Active in Reports: 11/22/2006 Number of Days to Update: 28

Source: EPA Telephone: 703-603-8960 Last EDR Contact: 09/18/2006 Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/27/2006 Date Data Arrived at FDR: 10/11/2006 Date Made Active in Reports: 12/13/2006

Number of Days to Update: 63

Source: EPA Telephone: 800-424-9346 Last EDR Contact: 12/04/2006 Next Scheduled EDR Contact: 03/05/2007

Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (LQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006 Date Data Arrived at EDR: 06/28/2006 Date Made Active in Reports: 08/23/2006 Number of Days to Update: 56 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 12/13/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Quarterly

#### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 01/12/2006 Date Made Active in Reports: 02/21/2006 Number of Days to Update: 40 Source: National Response Center, United States Coast Guard Telephone: 202-280-2342 Last EDR Contact: 10/24/2008 Next Scheduled EDR Contact: 01/22/2007 Data Release Frequency: Annually

#### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/01/2006 Date Data Arrived at EDR: 10/18/2006 Date Made Active in Reports: 11/22/2006 Number of Days to Update: 35 Source: U.S. Department of Transportation Telephone: 202-366-4555 Last EDR Contact: 10/18/2006 Next Scheduled EDR Contact: 01/15/2007 Data Release Frequency: Annually

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006 Date Data Arrived at EDR: 03/27/2006 Date Made Active in Reports: 05/22/2006 Number of Days to Update: 56 Source: Environmental Protection Agency Telephone: 703-603-8905 Last EDR Contact: 09/07/2006 Next Scheduled EDR Contact: 10/02/2006 Data Release Frequency: Varies

## US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, properly use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006 Date Data Arrived at EDR: 03/27/2006 Date Made Active in Reports: 05/22/2006 Number of Days to Update: 58

Source: Environmental Protection Agency Telephone: 703-603-8905 Last EDR Contact: 09/07/2006 Next Scheduled EDR Contact: 10/02/2006 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands Source: USGS

Date of Government Version: 12/31/2004 Date Data Arrived at EDR: 02/08/2005 Date Made Active in Reports: 08/04/2005

Number of Days to Update: 177

Telephone: 703-692-8801 Last EDR Contact: 11/10/2006 Next Scheduled EDR Contact: 02/05/2007 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 09/20/2006 Date Made Active in Reports: 11/22/2006

Number of Days to Update: 63

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 09/18/2006 Next Scheduled EDR Contact: 01/01/2007

Data Release Frequency: Varies

## US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities

Date of Government Version: 10/17/2006 Date Data Arrived at EDR: 10/20/2006 Date Made Active in Reports: 12/13/2006

Number of Days to Update: 54

Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 12/11/2006

Next Scheduled EDR Contact: 03/12/2007 Data Release Frequency: Semi-Annually

### CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters

Date of Government Version: 12/14/2004 Date Data Arrived at EDR: 02/15/2005 Date Made Active in Reports: 04/25/2005

Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 01/22/2007 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/07/2006 Date Data Arrived at EDR: 10/13/2006 Date Made Active in Reports: 12/13/2006

Number of Days to Update: 61

Source: EPA Telephone: 703-416-0223 Last EDR Contact: 10/02/2006 Next Scheduled EDR Contact: 01/01/2007 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005 Date Data Arrived at EDR: 11/28/2005 Date Made Active in Reports: 01/30/2006 Number of Days to Update: 63

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 09/05/2006 Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39

Source: Environmental Protection Agency Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System.

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and

land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2004 Date Data Arrived at EDR: 06/22/2006 Date Made Active in Reports: 08/23/2006

Number of Days to Update: 62

Source: EPA Telephone: 202-566-0250 Last EDR Contact: 09/22/2006

Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006 Number of Days to Update: 46

Source: EPA Telephone: 202-260-5521 Last EDR Contact: 10/18/2006

Next Scheduled EDR Contact: 01/15/2007 Data Release Frequency: Every 4 Years

FTTS: FIFRA/TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the

Agency on a quarterly basis.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 10/27/2006 Date Made Active in Reports: 11/22/2006 Number of Days to Update: 26

Source: EPA/Office of Prevention, Pesticides and Toxic Substances Telephone: 202-566-1667

Last EDR Contact: 09/18/2006 Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 10/27/2006 Date Made Active in Reports: 11/22/2006

Number of Days to Update: 26

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 09/18/2006

Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Quarterly

#### SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004 Date Data Arrived at EDR: 05/11/2006 Date Made Active in Reports: 05/22/2006 Number of Days to Update: 11

Source: EPA Telephone: 202-564-4203 Last EDR Contact: 11/07/2006 Next Scheduled EDR Contact: 01/15/2007 Data Release Frequency: Annually

#### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) ргодгат

Date of Government Version: 02/13/2006 Date Data Arrived at EDR: 04/21/2006 Date Made Active in Reports: 05/11/2006 Number of Days to Update: 20

Source: Environmental Protection Agency Telephone: 202-564-5088 Last EDR Contact: 07/17/2006 Next Scheduled EDR Contact: 10/16/2006 Data Release Frequency: Quarterly

#### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities

Date of Government Version: 07/07/2006 Date Data Arrived at EDR: 08/09/2006 Date Made Active in Reports: 09/06/2006

Number of Days to Update: 28

Source: EPA Telephone: 202-566-0500 Last EDR Contact: 11/29/2006 Next Scheduled EDR Contact: 02/05/2007 Data Release Frequency: Annually

#### MLTS: Material Licensing Tracking System

MLTS is maintained by the Nucléar Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 10/31/2006 Date Made Active in Reports: 12/13/2006

Number of Days to Update: 43

Source: Nuclear Regulatory Commission Telephone: 301-415-7169 Last EDR Contact: 10/02/2006 Next Scheduled EDR Contact: 01/01/2007 Data Release Frequency: Quarterly

## MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2006 Date Data Arrived at EDR: 09/27/2006 Date Made Active in Reports: 11/27/2006 Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 09/27/2006 Next Scheduled EDR Contact: 12/25/2006 Data Release Frequency: Semi-Annually

#### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/11/2006 Date Data Arrived at EDR: 10/18/2006 Date Made Active in Reports: 12/13/2006

Number of Days to Update: 56

Source: EPA Telephone: N/A

Last EDR Contact: 10/02/2006

Next Scheduled EDR Contact: 01/01/2007 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA Telephone: 202-564-4104 Last EDR Contact: 12/04/2006

Next Scheduled EDR Contact: 03/05/2007 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities

Telephone: 800-424-9346

Source: EPA/NTIS

Date of Government Version: 12/31/2003 Date Data Arrived at EDR: 06/17/2005 Date Made Active in Reports: 08/04/2005

Number of Days to Update: 48

Last EDR Contact: 12/15/2006 Next Scheduled EDR Contact: 03/12/2007

Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Hazardous Sites Cleanup Act Site List

The Hazardous Sites Cleanup Act Site List includes sites listed on PA Priority List, sites delisted from PA Priority List, Interim Response Completed sites, and Sites Being Studied or Response Being Planned.

Date of Government Version: 02/01/2006 Date Data Arrived at EDR: 02/17/2006 Date Made Active in Reports: 03/15/2006

Number of Days to Update: 26

Source: Department Environmental Protection

Telephone: 717-783-7816 Last EDR Contact: 11/16/2006

Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Semi-Annually

HSCA: HSCA Remedial Sites Listing

A list of remedial sites on the PA Priority List. This is the PA state equivalent of the federal NPL superfund

Date of Government Version: 05/05/2004 Date Data Arrived at EDR: 05/26/2004 Date Made Active in Reports: 06/24/2004

Number of Days to Update: 29

Source: Department of Environmental Protection

Telephone: 717-783-7816 Last EDR Contact: 11/16/2006

Next Scheduled EDR Contact: 02/12/2007

Data Release Frequency: Varies

SWF/LF: Operating Facilities

Date of Government Version: 08/10/2006 Date Data Arrived at EDR: 10/09/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 30

Source: Department of Environmental Protection Telephone: 717-787-7564 Last EDR Contact: 09/21/2006

Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Semi-Annually

#### HIST LF: Abandoned Landfill Inventory

The report provides facility information recorded in the Pennsylvania Department of Environmental Protection ALI database. Some of this information has been abstracted from old records and may not accurately reflect the current conditions and status at these facilities

Date of Government Version: 01/04/2005 Date Data Arrived at EDR: 01/04/2005 Date Made Active in Reports: 02/04/2005 Number of Days to Update: 31

Source: Department of Environmental Protection Telephone: 717-787-7564 Last EDR Contact: 09/18/2006 Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Varies

#### HIST LF INACTIVE: Inactive Facilities List

A listing of inactive non-hazardous facilities (10000 & 300000 series). This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP?s name was the Department of Environmental Resources

Date of Government Version: 12/20/1994 Date Data Arrived at EDR: 07/12/2005 Date Made Active in Reports: 08/11/2005

Number of Days to Update: 30

Source: Department of Environmental Protection Telephone: 717-787-7381 Last EDR Contact: 06/21/2005 Next Scheduled EDR Contact: 12/19/2005

Data Release Frequency: No Update Planned

#### HIST LF INVENTORY: Facility Inventory

A listing of solid waste facilities. This listing is no longer updated or maintained by the Department of Environmental Protection. At the time the listing was available, the DEP?'s name was the Department of Environmental Resources.

Date of Government Version: 06/02/1999 Date Data Arrived at EDR: 07/12/2005 Date Made Active in Reports: 08/11/2005

Number of Days to Update: 30

Source: Department of Environmental Protection Telephone: 717-787-7381

Last EDR Contact: 09/19/2005 Next Scheduled EDR Contact: 12/19/2005 Data Release Frequency: No Update Planned

### LUST: Storage Tank Release Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state

Date of Government Version: 10/03/2006 Date Data Arrived at EDR: 10/12/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 27

Source: Department of Environmental Protection Telephone: 717-783-7509

Last EDR Contact: 10/12/2006 Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Semi-Annually

## UNREG LTANKS: Unregulated Tank Cases

Leaking storage tank cases from unregulated storage tanks.

Date of Government Version: 04/12/2002 Date Data Arrived at EDR: 08/14/2003 Date Made Active in Reports: 08/29/2003 Number of Days to Update: 15

Source: Department of Environmental Protection Telephone: 717-783-7509 Last EDR Contact: 08/14/2003 Next Scheduled EDR Contact: N/A Data Release Frequency: No Update Planned

## UST: Listing of Pennsylvania Regulated Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/02/2006 Date Data Arrived at EDR: 10/12/2006 Date Made Active in Reports: 11/13/2006 Number of Days to Update: 32

Source: Department of Environmental Protection Telephone: 717-772-5599 Last EDR Contact: 10/12/2006 Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Varies

### ARCHIVE UST: Archived Underground Storage Tank Sites

The list includes tanks storing highly hazardous substances that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 10/02/2006 Date Data Arrived at EDR: 10/12/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 27

Source: Department of Environmental Protection Telephone: 717-772-5599 Last EDR Contact: 10/12/2006 Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Varies

#### LAST: Storage Tank Release Sites

Leaking Aboveground Storage Tank Incident Reports

Date of Government Version: 10/03/2006 Date Data Arrived at EDR: 10/12/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 27

Source: Department of Environmental Protection Telephone: 717-783-7509 Last EDR Contact: 10/12/2006 Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Semi-Annually

#### AST: Listing of Pennsylvania Regulated Aboveground Storage Tanks Registered Aboveground Storage Tanks

Date of Government Version: 10/02/2006 Date Data Arrived at EDR: 10/12/2006

Date Made Active in Reports: 11/14/2006 Number of Days to Update: 33

Source: Department of Environmental Protection Telephone: 717-772-5599 Last EDR Contact: 10/12/2006

Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Varies

#### ARCHIVE AST: Archived Aboveground Storage Tank Sites

The list includes aboveground tanks with a capacity greater than 21,000 gallons that were removed from the DEP's Storage Tank Information database because of the Department's policy on sensitive information. The list also may include tanks that are removed or permanently closed.

Date of Government Version: 10/02/2006 Date Data Arrived at EDR: 10/12/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 27

Source: Department of Environmental Protection Telephone: 717-772-5599 Last EDR Contact: 10/12/2006 Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Varies

## MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 03/17/2006 Date Made Active in Reports: 06/06/2006 Number of Days to Update: 81

Source: Department of Environmental Protection Telephone: N/A Last EDR Contact: 12/11/2006 Next Scheduled EDR Contact: 03/12/2007 Data Release Frequency: Annually

## ACT 2-DEED: Act 2-Deed Acknowledgment Sites

This listing pertains to sites where the Department has approved a cleanup requiring a deed acknowledgment under Act 2. This list includes sites remediated to a non-residential Statewide health standard (Section 303(g)); all sites demonstrating attainment of a Site-specific standard (Section 304(m)); and sites being remediated as a special industrial area (Section 305(g)). Persons who remediated a site to a standard that requires a deed acknowledgment shall comply with the requirements of the Solid Waste Management Act or the Hazardous Sites Cleanup Act, as referenced in Act 2. These statutes require a property description section in the deed concerning the hazardous substance disposal on the site. The location of disposed hazardous substances and a description of the type of hazardous substances disposed on the site shall be included in the deed acknowledgment. A deed acknowledgment is required at the time of conveyance of the property.

Date of Government Version: 09/19/2006 Date Data Arrived at EDR: 09/20/2006 Date Made Active in Reports: 09/29/2006 Number of Days to Update: 9 Source: Department of Environmental Protection Telephone: 717-783-9470 Last EDR Contact: 11/13/2006 Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Varies

### ENG CONTROLS: Engineering Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/03/2006 Date Data Arrived at EDR: 08/21/2006 Date Made Active in Reports: 09/29/2006 Number of Days to Update: 39 Source: Department of Environmental Protection Telephone: 717-783-9470 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Varies

#### INST CONTROL: Institutional Controls Site Listing

Under the Land Recycling Act (Act 2) persons who perform a site cleanup using the site-specific standard or the special industrial area standard may use engineering or institutional controls as part of the response action. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/03/2006 Date Data Arrived at EDR: 08/21/2006 Date Made Active in Reports: 09/29/2006 Number of Days to Update: 39 Source: Department of Environmental Protection Telephone: 717-783-9470 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Varies

# VCP: Voluntary Cleanup Program Sites Sites involved in the Voluntary Cleanup Program

Date of Government Version: 09/19/2006 Date Data Arrived at EDR: 09/20/2006 Date Made Active in Reports: 09/29/2006 Number of Days to Update: 9 Source: Department of Environmental Protection Telephone: 717-783-2388 Last EDR Contact: 11/13/2006 Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Semi-Annually

# **DRYCLEANERS:** Drycleaner Facility Locations A listing of drycleaner facility locations.

Date of Government Version: 10/31/2006 Date Data Arrived at EDR: 10/31/2006 Date Made Active in Reports; 11/08/2006 Number of Days to Update: 8 Source: Department of Environmental Protection Telephone: 717-787-9702 Last EDR Contact: 10/30/2006 Next Scheduled EDR Contact: 01/15/2007 Data Release Frequency: Varies

### BROWNFIELDS: Brownfields Sites

Date of Government Version: 09/13/2006 Date Data Arrived at EDR: 09/15/2006 Date Made Active in Reports: 09/29/2006 Number of Days to Update: 14 Source: Department of Environmental Protection Telephone: 717-783-7509 Last EDR Contact: 11/13/2006 Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Varies

**AIRS:** Permit and Emissions Inventory Data Permit and emissions inventory data.

Date of Government Version: 12/31/0005 Date Data Arrived at EDR: 10/24/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 15

Source: Department of Environmental Protection Telephone: 717-787-9702 Last EDR Contact: 10/23/2006 Next Scheduled EDR Contact: 01/22/2007 Data Release Frequency: Annually

#### TRIBAL RECORDS

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres

Date of Government Version: 12/31/2004 Date Data Arrived at EDR: 02/08/2005 Date Made Active in Reports: 08/04/2005 Number of Days to Update: 177

Source: USGS Telephone: 202-208-3710 Last EDR Contact: 11/10/2006 Next Scheduled EDR Contact: 02/05/2007 Data Release Frequency: Semi-Annually

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 09/07/2006 Date Data Arrived at EDR: 09/08/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 61

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Varies

#### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming

Date of Government Version: 08/30/2006 Date Data Arrived at EDR: 09/06/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 63

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Quarterly

#### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 09/11/2006

Date Data Arrived at EDR: 09/11/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 58

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Quarterly

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2006 Date Data Arrived at EDR: 10/04/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 35

Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006 Date Data Arrived at EDR: 10/04/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 35

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 08/24/2006 Date Data Arrived at EDR: 09/11/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 58

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007

Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005 Date Data Arrived at EDR: 01/21/2005 Date Made Active in Reports: 02/28/2005

Number of Days to Update: 38

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006 Date Data Arrived at EDR: 09/11/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 58

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land A listing of underground storage tank locations on Indian Land.

Date of Government Version: 09/07/2006

Date Data Arrived at EDR: 09/08/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 61

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 11/17/2006

Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004 Date Data Arrived at EDR: 12/29/2004 Date Made Active in Reports: 02/04/2005

Number of Days to Update: 37

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007

Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 08/30/2006 Date Data Arrived at EDR: 09/06/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 63

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 09/11/2006 Date Data Arrived at EDR: 09/11/2006 Date Made Active in Reports: 11/08/2006

Number of Days to Update: 58

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007

Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 08/28/2006 Date Data Arrived at EDR: 08/29/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 71 Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006 Date Data Arrived at EDR: 10/04/2006 Date Made Active in Reports; 11/08/2006 Number of Days to Update: 35 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006 Date Data Arrived at EDR: 10/04/2006 Date Made Active in Reports: 11/08/2006 Number of Days to Update: 35 Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 11/17/2006 Next Scheduled EDR Contact: 02/19/2007 Data Release Frequency: Varies

#### EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A Number of Days to Update: N/A Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

### OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004 Date Data Arrived at EDR: 02/17/2006 Date Made Active in Reports: 04/07/2006 Number of Days to Update: 49

Source: Department of Environmental Protection Telephone: 860-424-3375 Last EDR Contact: 12/11/2006 Next Scheduled EDR Contact: 03/12/2007 Data Release Frequency: Annually

NJ MANIFEST: Manifest Information Hazardous waste manifest information

Date of Government Version: 11/01/2006 Date Data Arrived at EDR: 11/13/2006 Date Made Active in Reports: 12/13/2006

Number of Days to Update: 30

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 11/13/2006

Next Scheduled EDR Contact: 01/01/2007 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD

facility.

Date of Government Version: 08/01/2006 Date Data Arrived at EDR: 08/30/2006 Date Made Active in Reports: 10/16/2006

Number of Days to Update: 47

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/29/2006

Next Scheduled EDR Contact: 02/26/2007 Data Release Frequency: Annually

RIMANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005 Date Data Arrived at EDR: 05/09/2006 Date Made Active in Reports: 05/24/2006

Number of Days to Update: 15

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 09/18/2006

Next Scheduled EDR Contact: 12/18/2006 Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 06/29/2006 Date Made Active in Reports: 07/31/2006 Number of Days to Update: 32

Source: Department of Environmental Conservation

Telephone: 802-241-3443 Last EDR Contact: 11/13/2006

Next Scheduled EDR Contact: 02/12/2007 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 03/17/2006 Date Made Active in Reports: 05/02/2006 Number of Days to Update: 46

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 10/23/2006 Next Scheduled EDR Contact: 01/08/2007 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily

#### Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals

#### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

#### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Child Care Facility List

Source: Department of Public Welfare

Telephone: 717-783-3856

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### STREET AND ADDRESS INFORMATION

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## GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

SHEFFIELD RESIDENCE 9 MEAD STREET SHEFFIELD, PA 16347

### TARGET PROPERTY COORDINATES

41.70440 - 41° 42′ 15.8″ 79.0333 - 79° 1′ 59.9″ Zone 17 Latitude (North):

Landitude (West):
Universal Tranverse Mercator:
UTM X (Meters):
UTM Y (Meters): 663637.2 4618612.5

Elevation: 1382 ft. above sea level

## USGS TOPOGRAPHIC MAP

41079-F1 SHEFFIELD, PA Target Property Map:

1973 Most Recent Revision:

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

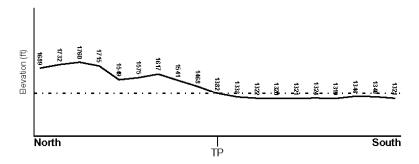
## TOPOGRAPHIC INFORMATION

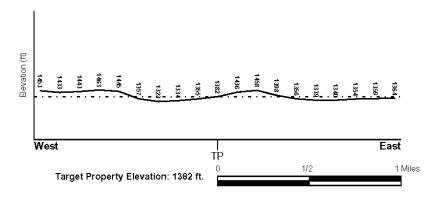
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

#### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood Target Property County WARREN, PA

Electronic Data YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 4221260005A 4221260008A Additional Panels in search area:

NATIONAL WETLAND INVENTORY

NWI Electronic

**NWI Quad at Target Property** 

Data Coverage YES - refer to the Overview Map and Detail Map SHEFFIELD

#### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

> LOCATION GENERAL DIRECTION MAP ID FROM TP GROUNDWATER FLOW Not Reported

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### GEOLOGIC AGE IDENTIFICATION

Era: Paleozoic Category: Stratified Sequence

System: Devonian

Series: Upper Devonian

Code: D3 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: HOLLY
Soil Surface Texture: silt loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be

drained and are classified.

Soil Drainage Class: Not reported

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	3 inches	silt Ioam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.60
2	3 inches	27 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.20	Max: 7.30 Min: 5.10
3	27 inches	43 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 0.60	Max: 7.80 Min: 5.60
4	43 inches	60 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 0.60	Max: 7.80 Min: 5.60

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: gravelly - loam

Surficial Soil Types: gravelly - loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: silt loam

gravelly - loam

very gravelly - loamy coarse sand

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles) Federal USGS 1.000 Federal FRDS PWS Nearest PWS within 1 mile State Database 1.000

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	FROM TP	
C10	USGS2251428	1/2 - 1 Mile East	
F17	USGS2251429	1/2 - 1 Mile ENE	
H22	USGS2251440	1/2 - 1 Mile NE	

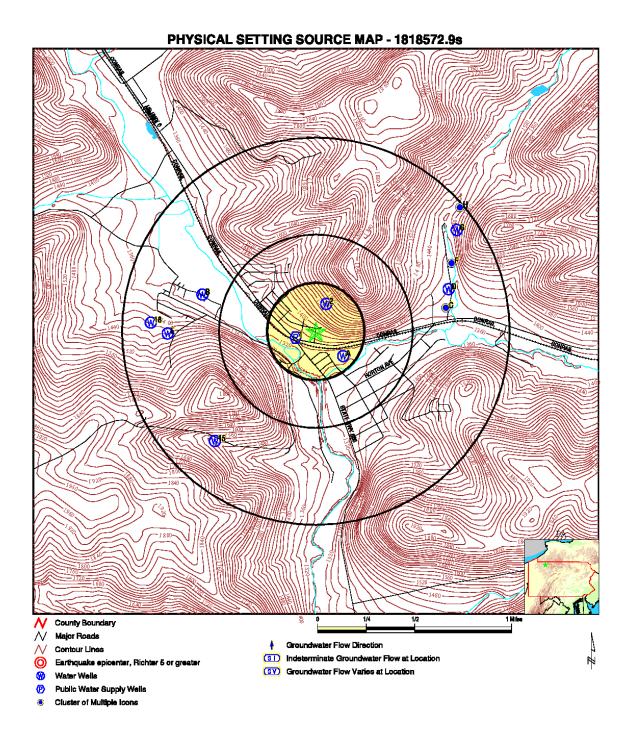
## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELLID	LOCATION FROM TP	
1	PA6270812	0 - 1/8 Mile W/SW	

Note: PWS System location is not always the same as well location.

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
	PA1000000169793	1/8 - 1/4 Mile NNE
A3	PA1000000169634	1/8 - 1/4 Mile SE
A4	SPAW0098480	1/8 - 1/4 Mile SE
B5	SPAW0098482	1/2 - 1 Mile WNW
B6	PA1000000169797	1/2 - 1 Mile WNW
B7	PA1000000169814	1/2 - 1 Mile WNW
B8	SPAW0098487	1/2 - 1 Mile WNW
C9	PA1000000169785	1/2 - 1 Mile East
D11	SPAW0098485	1/2 - 1 Mile ENE
D12	PA1000000169815	1/2 - 1 Mile ENE
E13	SPAW0098488	1/2 - 1 Mile West
E14	PA1000000169716	1/2 - 1 Mile West
15	PA1000000169416	1/2 - 1 Mile SW
F16	PA1000000169864	1/2 - 1 Mile ENE
18	PA1000000169754	1/2 - 1 Mile West
G19	SPAW0098494	1/2 - 1 Mile NE
G20	PA1000000169955	1/2 - 1 Mile NE
H21	PA200000001505	1/2 - 1 Mile NE



ADDRESS:		CONTACT: INQUIRY #:	EES, Inc. Ron Lucy 1818572.9s December 15, 2006 4:10 pm
Copyright ← 2006 EDR, Inn. ← 2006 Tels Atlas Rel. 07/2006.			

Map ID Direction Distance Elevation

EDR ID Number Database

1 WSW 0 - 1/8 Mile Lower FRDS PWS PA6270812

PWS ID: PA6270812 PWS Status: Date Initiated: Not Reported Date Deactivated: Not Reported PWS Name:

BLUE JAY INN RD#1

SHEFFIELD, PA 16347

Addressee / Facility: Mailing BLUE JAY INN

%T ALDERSON-RD#1 SHEFFIELD, PA 16347

Facility Latitude: 41 42 14 Facility Longitude: 079 02 08 City Served: Not Reported Treatment Class: Untreated Population: 00000025

PWS currently has or had major violation(s) or enforcement: Yes

VIOLATIONS INFORMATION:

Violation ID: 9414834 100 PWS Phone: Not Reported Source ID: Vio. beginning Date: 01/01/93 Vio. end Date: 12/31/93 Vio. Period: 012 Months

Num required Samples: 000 Number of Samples Taken: 000 Not Reported Maximum Contaminant Level: Not Reported Analysis Result:

Analysis Method: Not Reported Violation Type: Monitoring, Regular NITRITE Contaminant: Vio. Awareness Date: 050294

Violation ID: 9414833 PWS Phone: Not Reported Source ID: Vio. beginning Date: 01/01/93 Vio. end Date: 12/31/93 Vio. Period: 012 Months

Num required Samples: 000 Number of Samples Taken: 000 Analysis Result: Not Reported Maximum Contaminant Level: Not Reported

Analysis Method: Not Reported Monitoring, Regular Violation Type: NITRATE Contaminant: Vio. Awareness Date: 050294

**ENFORCEMENT INFORMATION:** 

System Name: BLUE JAY INN

Violation Type: Monitoring, Routine Major (TCR) Contaminant: COLIFORM (TCR)

Compliance Period: 10/1/2001 0:00:00 - 10/31/2001 0:00:00

Violation ID: 0200482

Enforcement Date: 11/12/2002 0:00:00 Enf Action: State Compliance Achieved

BLUE JAY INN System Name:

Violation Type: Monitoring, Routine Major (TCR) COLIFORM (TCR) Contaminant:

Compliance Period: 7/1/2002 0:00:00 - 7/31/2002 0:00:00

0220424 Violation ID:

11/12/2002 0:00:00 Enforcement Date: Enf. Action: State Compliance Achieved

### ENFORCEMENT INFORMATION:

BLUE JAY INN System Name:

Monitoring, Routine Major (TCR) COLIFORM (TCR) Violation Type: Contaminant:

7/1/2003 0:00:00 - 9/30/2003 0:00:00 Compliance Period:

Violation ID: 0336526

Enforcement Date: 2/4/2004 0:00:00 Enf. Action: State Compliance Achieved

BLUE JAY INN System Name:

Violation Type: Monitoring, Routine Major (TCR)

Contaminant: COLIFORM (TCR)

Compliance Period: 10/1/2004 0:00:00 - 12/31/2004 0:00:00

Violation ID: 0515242

Enforcement Date: 7/12/2006 0:00:00 Enf. Action: State Consent Decree/Judgement

System Name: BLUE JAY INN

Violation Type: Monitoring, Routine Major (TCR)

Contaminant: COLIFORM (TCR)

Compliance Period: 10/1/2004 0:00:00 - 12/31/2004 0:00:00

Violation ID: 0515242

Enforcement Date: 7/12/2006 0:00:00 Enf. Action: State Violation/Reminder Notice

System Name: BLUE JAY INN

Violation Type: Monitoring, Routine Major (TCR)

Contaminant: COLIFORM (TCR)

10/1/2004 0:00:00 - 12/31/2004 0:00:00 Compliance Period:

Violation ID: 0515242

Enforcement Date: 7/12/2006 0:00:00 Enf. Action: State Compliance Achieved

#### CONTACT INFORMATION:

BLUE JAY INN Name: Population: 25

814-968-3550 JILL HUDDLESON Contact Phone

Address: H C 1 BOX 166 SHEFFIELD, PA 16347

2 NNE 1/8 - 1/4 Mile Higher PA WELLS PA1000000169793

WELLID: Not Reported LOCALWELLN: Not Reported

COUNTY: WARREN

AAPG: TOPOGRAPHY: Not Reported

WELLDEPTH: 0

ELEVATION: 0 ELEVMETHOD: Not Reported

ACCURACYOF Not Reported HYDROLOGIC Not Reported LATLONGACCURACY: Not Reported QUAD: SHEFFIELD TYPEOFSITE: WELL

Not Reported DATEUPDATE: DATECREATE Not Reported

DATARELIABILITY Not Reported SOURCE DEPTH DATA: Not Reported SHEFFIELD TWP MUNICIPALITY: LATITUDEDD: 41.70639 LONGITUDED: -79.0325

DEPTHTOBED:

Not Reported DATEDRILLE: PAGWIS ID: 219796

Construction Information:

Not Reported Construction Date: Driller: Not Reported Source Cons Data: Not Reported Method Cons: Not Reported Finish: Not Reported

Water Use Information:

WITHDRAWAL Site Use: Water Use: COMMERCIAL

Owner Information:

WHISPERING WINDS CAMPGROUND Owner:

Date Ownership: Not Reported

Remarks Information:

Population Served = 25 Remark

Remark Date: Not Reported

Other ID Information:

6620322 Other I D Assignor: PA DEP PWSID Other Identifier

A3 SE 1/8 - 1/4 Mile Lower PA WELLS PA1000000169634

LOCALWELLN: WELLID: Not Reported 0588N

COUNTY: WARREN AAPG: 341VNNG TOPOGRAPHY: VALLEY FLAT

WELLDEPTH: ELEVATION:

ELEVMETHOD: Not Reported ACCURACYOF: HYDROLOGIC: Not Reported 05010003

LATLONGACCURACY: ACCURATE TO +1 MINUTE

QUAD: SHEFFIELD TYPEOFSITE: WELL

DATECREATE: Not Reported DATEUPDATE:

DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)

SOURCE DEPTH DATA: DRILLER'S RECORD MUNICIPALITY: SHEFFIELD TWP. 41.7025 -79.03083 LATITUDEDD:

LONGITUDED: DEPTHTOBED: DATEDRILLE: Not Reported PAGWIS ID: 143024

Not Reported

Construction Information:

 Construction Date:
 05/01/1985 00:00:00

 Driller:
 137

Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:

Top Of Casing: 0 Casing Wall Thickness: Not Reported

Bottom Of Casing: 25 Casing Diameter:

Casing: Not Reported

Geohydrologic Information:

A A P G: 341VNNG Lithology: G Contributing Unit: PRIMARY

Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:

Site Use: WITHDRAWAL Water Use: INDUSTRIAL

Owner Information:

Owner: MCMILLEN LUMBER CO

Date Ownership: Not Reported

Remarks Information:

Remark: INSIDE MCMILLEN LUMBER CO MILL YARD

Remark Date: Not Reported

SE PA WELLS SPAW0098480

Lower

Well ID: 0588N Owner's Name: MCMILLEN LUMBER CO WARREN Latitude: 414209 Longitude: 790151 Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Topographic Setting: VALLEY FLAT SHEFFIELD Quadrangle: Hydrologic Unit: Water Usage: Topographic Setting: Site Usage: 05010003 WITHDRAWAL INDUSTRIAL Well Depth: Finish: OPEN HOLE 25

 Casing 1:
 25
 Casing 1 Diameter(inches):
 6

 Casing2:
 Not Reported
 Casing2 Diameter(inches):
 Not Reported

 Grouted:
 Not Reported
 Date Drilled:
 05-00-85

 Static Water Level:
 24
 Production WL:
 24

 Yield (gpm):
 2
 Yield Measurement Method:
 V

 Drawdown:
 Not Reported
 Test Time:
 0.17

 Bedrock:
 Not Reported
 Driller:
 137

Water Bearing Zone 1: 22 Water Bearing Zone 2: Not Reported Water Bearing Zone 3: Not Reported Lithology: GRAVEL

Municipality: SHEFFIELD Remark: INSIDE MCMILLEN LUMBER CO Aquifer: VENANGO FORMATION

Map ID Direction Distance

EDR I<u>D Number</u> Database Elevation B5 WNW 1/2 - 1 Mile Lower PA WELLS SPAW0098482

Well ID: 0590N Owner's Name: SILVESIL County WARREN Latitude: 414224 Longitude: 790241 Lat/Long Accuracy: ACCURATE TO +1 MINUTE
Topographic Setting: FLAT SURFACE
Site Usage: WITHDRAWAL Quadrangle: SHEFFIELD Hydrologic Unit: Water Usage: 05010003 PUBLIC SUPPLY Site Usage: Well Depth: Finish: 60 OPEN HOLE Casing 1: 60 Casing1 Diameter(inches): Casing2 Diameter(inches): Casing2: Not Reported Not Reported Grouted: Not Reported Date Drilled: 01-00-88 Static Water Level: Production WL 52 Yield (gpm): 30 Yield Measurement Method: В Drawdown: Not Reported Test Time: 0.5 Bedrock: 60 Driller: 67 Water Bearing Zone 2: Water Bearing Zone 1: Not Reported 20 GRAVEL Not Reported Not Reported SHEFFIELD Water Bearing Zone 3: Lithology: Municipality: Remark

B6 WNW 1/2 - 1 Mile Lower

Aquifer:

WELLID Not Reported LOCALWELLN: 0590N

COUNTY: WARREN AAPG: 341VNNG

TOPOGRAPHY: FLAT SURFACE WELLDEPTH: 60 ELEVATION:

ELEVMETHOD: Not Reported ACCURACYOF HYDROLOGIC: Not Reported 05010003

LATLONGACCURACY: ACCURATE TO +1 MINUTE

QUAD: SHEFFIELD TYPEOFSITE: WELL

DATECREATE Not Reported DATEUPDATE: Not Reported

LOCATION MAY NOT BE ACCURATE (WWI paper) DATARELIABILITY:

VENANGO FORMATION

SOURCE DEPTH DATA: DRILLER'S RECORD MUNICIPALITY: SHEFFIELD TWP. LATITUDEDD: 41.70667 -79.04472 LONGITUDED: DEPTHTOBED: 60 DATEDRILLE: Not Reported PAGWIS ID: 143026

PA WELLS

PA1000000169797

Construction Information:

Construction Date: 01/01/1988 00:00:00 Driller: 67

Source Cons Data: DRILLER'S RECORD
Method Cons: Not Reported
Finish: OPEN HOLE

Casing Information:

Top Of Casing: 0 Casing Wall Thickness: Not Reported

Bottom Of Casing: 60 Casing Diameter:

Casing: Not Reported

**Geohydrologic Information:** AAPG:

A A P G: 341VNNG Lithology: G Contributing Unit: PRIMARY

Contributing Unit: PRIMARY
Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:

Site Use: WITHDRAWAL Water Use: PUBLIC SUPPLY

Owner Information:

Owner: SILVES L
Date Ownership: Not Reported

B7 WNW PA WELLS PA1000000169814 1/2 - 1 Mile Lower

WELLID: Not Reported LOCALWELLN: 0595N

COUNTY: WARREN
AAPG: 341VNNG
TOPOGRAPHY: FLAT SURFACE

WELLDEPTH: 66 ELEVATION: 0

ELEVMETHOD: Not Reported ACCURACYOF: Not Reported HYDROLOGIC: 05010003

LATLONGACCURACY: ACCURATE TO +1 MINUTE

QUAD: SHEFFIELD TYPEOFSITE: WELL

DATECREATE: Not Reported DATEUPDATE:

DATARELIABILITY: LOCATION MAY NOT BE ACCURATE (WWI paper)

SOURCE DEPTH DATA: DRILLER'S RECORD MUNICIPALITY: SHEFFIELD TWP.

LATITUDEDD: 41.7075
LONGITUDED: -79.045
DEPTHTOBED: 0
DATEDRILLE: Not Reported
PAGWIS ID: 143031

TC1818572.9s Page A-13

Not Reported

Construction Information:

Construction Date: 12/01/1986 00:00:00 Driller:

DRILLER'S RECORD Source Cons Data: Method Cons: Not Reported OPEN HOLE Finish:

Casing Information:

Top Of Casing: Casing Wall Thickness: Not Reported

Bottom Of Casing: Casing Diameter:

Casing: Not Reported

Geohydrologic Information:

AAPG: 341VNNG Lithology: Contributing Unit: G PRIMARY

Top Of Interval: Not Reported Bottom Of Interval Not Reported

Water Use Information:

WITHDRAWAL Site Use Water Use: PUBLIC SUPPLY

Owner Information:

SILVESL Owner: Date Ownership: Not Reported

PA WELLS SPAW0098487

B8 WNW 1/2 - 1 Mile Lower

Well ID: 0595N SILVES L WARREN Owner's Name: County Latitude: 414227 Longitude: 790242 Quadrangle: SHEFFIELD Lat/Long Accuracy: ACCURATE TO +1 MINUTE FLAT SURFACE Hydrologic Unit: 05010003 Topographic Setting: PUBLIC SUPPLY Water Usage: Site Usage: WITHDRAWAL OPEN HOLE

Well Depth: 66 Finish: Casing1 Diameter(inches): Casing 1: 66

Casing2 Diameter(inches): Date Drilled: Not Reported Not Reported Casing2: Grouted: Not Reported 12-00-86 Static Water Level: Production WL: 40 40 Yield (gpm): 10 Yield Measurement Method: В Drawdown: Not Reported Test Time: 0.5 Bedrock: Not Reported Driller: 67

Water Bearing Zone 1: Water Bearing Zone 2: 50 Water Bearing Zone 3: Lithology: GRAVEL SHEFFIELD Municipality: Remark: Not Reported

VENANGO FORMATION Aquifer:

C9 East 1/2 - 1 Mile

PA WELLS PA1000000169785

TC1818572.9s Page A-14

WELLID: COUNTY: 414222079011401 WARREN LOCALWELLN: WR 346

AAPG: 1120TSH TOPOGRAPHY: VALLEY FLAT WELLDEPTH:

ELEVATION: 1370

ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP

ACCURACYOF:

HYDROLOGIC: 05010003

LATLONGACCURACY: ACCURATE TO +1 SECOND

QUAD: SHEFFIELD TYPEOFSITE: DATECREATE WELL

Not Reported DATEUPDATE: Not FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) WELL OWNER DATEUPDATE: Not Reported

DATARELIABILITY

SOURCE DEPTH DATA: MUNICIPALITY: SHEFFIELD TWP LATITUDEDD: 41.70611 LONGITUDED -79.02056 DEPTHTOBED: Not Reported DATEDRILLE: PAGWIS ID: 33190

Agency Use Section:

Agency Use of Site: Agency Use Date: OBSERVATION Not Reported

Construction Information:

Construction Date: 07/01/1967 00:00:00 Driller: Source Cons Data: WELL OWNER

Method Cons: OTHER/UNKNOWN OPEN HOLE Finish:

Casing Information:

Top Of Casing: Casing Wall Thickness: Not Reported

Bottom Of Casing: Not Reported Casing Diameter:

Casing: UNKNOWN

Hole Information:

Top Of Hole: Λ

Bottom Of Hole: 84 Hole Diameter: 6

Geohydrologic Information:

AAPG: 1120TSH

Lithology SANDSTONE AND SHALE

Contributing Unit: PRIMARY

Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:

WITHDRAWAL Site Use: Water Use: DOMESTIC

Owner Information:

HANSON , WILLIAM E Owner:

Date Ownership: 07/01/1967 00:00:00

Remarks Information:

PERM RES; SMPLE NO 9203078 Remark

Remark Date Not Reported

C10 East 1/2 - 1 Mile FED USGS USGS2251428 Lower

USGS Agency cd: Site no: 414222079011401 WR 346 414222 Site name: Latitude: Longitude 0790114 41.70617211 Dec lat: Dec lon: -79.02031685 Coor meth: Coor accr: Latlong datum: NAD27 Dec latlong datum: NAD83 District: 42 State: 42 County: 123 Country Land net Not Reported Location map: SHEFFIELD Map scale: 24000 Altitude: 1370. Altitude method:

Altitude accuracy: NGVD29 10 Altitude datum: Middle AlleghenyTionesta. Pennsylvania. Area = 1670 sq.mi. Hydrologic:

Topographic: Valley flat

Ground-water other than Spring Date construction: 196707 Site type: Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported Well depth: 84

Not Reported 444215700 Hole depth: Source of depth data: Real time data flag: owner Project number: 0000-00-00 Daily flow data begin date: Daily flow data end date: 0000-00-00 Daily flow data count: Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Peak flow data count: Water quality data begin date: 1985-10-09

Water quality data end date:1985-10-09 Water quality data count: Ground water data begin date: 1985-10-10 Ground water data end date: 1985-10-10

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feetbelow Feet to Date Surface Sealevel

1985-10-10 17.38

Note: The site had been pumped recently

D11 ENE 1/2 - 1 Mile PA WELLS SPAW0098485

Well ID: 0593N POLLOCK P Owner's Name: County WARREN 414227 Longitude: 790113 Latitude: Quadrangle: SHEFFIELD Lat/Long Accuracy: ACCURATE TO +1 MINUTE Hydrologic Unit: 05010003 Topographic Setting: HILLSIDE Water Usage: DOMESTIC Site Usage: WITHDRAWAL Well Depth: Finish: OTHER Casing1 Diameter(inches): Casing 1: Not Reported Casing2: Casing2 Diameter(inches): Not Reported

TC1818572.9s Page A-16

Date Drilled: 09-00-88 Grouted: Not Reported Production WL: Static Water Level: 48 48 Yield (gpm): 10 Yield Measurement Method: R Not Reported Test Time: Drawdown: 0.5 Not Reported Bedrock: Driller: 67 Water Bearing Zone 2: Water Bearing Zone 1: Not Reported

Not Reported Lithology: Water Bearing Zone 3: Not Reported GRAVĖL Municipality: SHEFFIELD Remark: Not Reported

Aqui fer SHENANGO FORMATION

D12 ENE 1/2 - 1 Mile Lower PA1000000169815 PA WELLS

WELLID. Not Reported LOCALWELLN: 0593N

COUNTY: WARREN AAPG: 337SNNG TOPOGRAPHY: HILLSIDE WELLDEPTH: 78 ELEVATION: ELEVMETHOD: Λ Not Reported ACCURACYOF Not Reported

HYDROLOGIC: 05010003 LATLONGACCURACY: ACCURATE TO +1 MINUTE

QUAD: SHEFFIELD

TYPEOFSITE:

DATECREATE Not Reported DATEUPDATE: Not Reported

LOCATION MAY NOT BE ACCURATE (WWI paper)
DRILLER'S RECORD

DATARELIABILITY: SOURCE DEPTH DATA: MUNICIPALITY: SHEFFIELD TWP LATITUDEDD: 41.7075 LONGITUDED: -79.02028 DEPTHTOBED

DATEDRILLE: Not Reported PAGWIS ID: 143029

Construction Information:

09/01/1988 00:00:00 Construction Date Driller: DRILLER'S RECORD Source Cons Data: Method Cons: Not Reported

Finish: OTHER

Casing Information:

Top Of Casing: Casing Wall Thickness: Not Reported

Bottom Of Casing: Casing Diameter:

Casing: Not Reported

Geohydrologic Information:

AAPG: 337SNNG Lithology: Contributing Unit: G

PRIMARY

Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:

WITHDRAWAL Site Use Water Use DOMESTIC

Owner Information:

POLLOCK P Owner: Date Ownership: Not Reported

E13 West 1/2 - 1 Mile Higher PA WELLS SPAW0098488

Well ID: 0732N

Owner's Name: BOROUGH WATER AUTH County WARREN Latitude: 414215 Longitude: 790254 Quadrangle: SHEFFIELD Lat/Long Accuracy: ACCURATE TO +1 MINUTE Hydrologic Unit: 05010003 Topographic Setting: VALLEY FLAT PUBLIC SUPPLY Water Usage: Site Usage: UNUSED Well Depth: 115 Finish: SCREEN Casing1 Diameter(inches): Casing 1: 115 Casing2 Diameter(inches): Date Drilled: Not Reported Not Reported Casing2: Grouted: 11-00-87 Yes Not Reported Production WL: Static Water Level: Not Reported Not Reported Yield Measurement Method: Not Reported Yield (gpm): Drawdown: Not Reported Test Time: Not Reported

Not Reported 1513 Water Bearing Zone 1: Not Reported Water Bearing Zone 2: Not Reported Not Reported Water Bearing Zone 3: Not Reported Lithology: Municipality: SHEFFIELD Remark Not Reported

VENANGO FORMATION Aquifer:

E14 West 1/2 - 1 Mile Higher PA WELLS PA1000000169716

WELLID LOCALWELLN: 0732N

Not Reported WARREN COUNTY AAPG: 341VNNG TOPOGRAPHY: VALLEY FLAT

WELLDEPTH: 115 ELEVATION:

ELEVMETHOD: Not Reported ACCURACYOF Not Reported HYDROLOGIC: 05010003

ACCURATE TO +1 MINUTE SHEFFIELD LATLONGACCURACY:

QUAD: TYPEOFSITE: WELL

DATECREATE: Not Reported Not Reported DATEUPDATE:

LOCATION MAY NOT BE ACCURATE (WWI paper) DATARELIABILITY: SOURCE DEPTH DATA: DRILLER'S RECORD

MUNICIPALITY: SHEFFIELD TWP LATITUDEDD: 41.70417 LONGITUDED: -79.04833

DEPTHTOBED:

Not Reported DATEDRILLE: 143032 PAGWIS ID:

Construction Information:

Construction Date: 11/01/1987 00:00:00 Driller: 1513 Source Cons Data: DRILLER'S RECORD Method Cons: Not Reported

SCREÉN

Casing Information:

Finish:

Casing Wall Thickness: Top Of Casing: Λ Not Reported

Bottom Of Casing: 115 Casing Diameter:

Not Reported Casing:

Geohydrologic Information:

341VNNG Lithology Not Reported Contributing Unit: PRIMARY

Bottom Of Interval: Not Reported Top Of Interval: Not Reported

Water Use Information:

UNUSED Site Use Water Use: PUBLIC SUPPLY

Owner Information:

BOROUGH WATER AUTH

Date Ownership: Not Reported

15 SW 1/2 - 1 Mile Higher PA WELLS PA1000000169416

DATEUPDATE:

WELLID: Not Reported LOCALWELLN: Not Reported

COUNTY: WARREN AAPG: TOPOGRAPHY: WELLDEPTH: ELEVATION:

Not Reported

0

Not Reported ELEVMETHOD: ACCURACYOF: Not Reported HYDROLOGIC Not Reported LATLONGACCURACY: Not Reported QUAD: SHEFFIELD TYPEOFSITE: WELL

DATECREATE: Not Reported Not Reported

DATARELIABILITY: SOURCE DEPTH DATA: Not Reported SHEFFIELD TWP MUNICIPALITY: LATITUDEDD: 41.69611

LONGITUDED: -79.04361 Not Reported

DEPTHTOBED:

Not Reported DATEDRILLE: PAGWIS ID: 219840

Construction Information:

Not Reported Construction Date: Driller: Not Reported Source Cons Data: Not Reported Method Cons: Not Reported Finish: Not Reported

Water Use Information:

WITHDRAWAL Site Use Water Use: INSTITUTIONAL

Owner Information:

SHEFFIELD VETERANS CLUB Owner:

Date Ownership: Not Reported

Remarks Information:

Population Served = 60 Remark

Remark Date: Not Reported

Other ID Information:

6620418 Other I D Assignor: PA DEP PWSID Other Identifier:

F16 ENE 1/2 -1 Mile Higher PA WELLS PA1000000169864

WELLID: 414234079011201 LOCALWELLN: WR 513

COUNTY: WARREN AAPG: 341VNNG TOPOGRAPHY: VALLEY FLAT WELLDEPTH: ELEVATION: 1390

ELEVMETHOD: INTERPOLATED FROM TOPOGRAPHIC MAP

ACCURACYOF: HYDROLOGIC:

05010003

ACCURATE TO +1 SECOND SHEFFIELD LATLONGACCURACY:

QUAD: TYPEOFSITE: WELL

DATECREATE: Not Reported DATEUPDATE: Not Reported

FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) DATARELIABILITY:

WELL OWNER SHEFFIELD TWP. SOURCE DEPTH DATA: MUNICIPALITY: LATITUDEDD: 41.70944 LONGITUDED: DEPTHTOBED: -79.02 DATEDRILLE: Not Reported PAGWIS ID: 33191

Agency Use Section:

Agency Use of Site: **OBSERVATION** Agency Use Date: Not Reported

Geohydrologic Information:

341VNNG AAPG: Lithology UNKNOWN Contributing Unit: PRIMARY Top Of Interval: Not Reported

Bottom Of Interval:

Not Reported

Water Use Information:

Site Use: Water Use: WITHDRAWAL DOMESTIC

Owner Information:

STAHL, ELMER Owner: Date Ownership: 01/01/1976 00:00:00

Remarks Information:

LAB SAMPLE 9205038 Remark Remark Date: 07/23/1985 00:00:00

ENE 1/2 - 1 Mile Higher FED USGS USGS2251429

Agency cd: USGS Site no: 414234079011201

WR 513 414234 Site name: Latitude: 0790112 Longitude:

41.70950542 Dec lat: Coor meth Dec Ion: -79.0197613 NAD27 Latlong datum: Coor accr: Dec latlong datum: NAD83 District: 42 State: 42 County 123 Country Land net: Not Reported Location map: SHEFFIELD Map scale: 24000 Altitude: 1390 Altitude method: NGVD29 Altitude accuracy: 010 Altitude datum:

Middle AlleghenyTionesta. Pennsylvania. Area = 1670 sq.mi. Hydrologic:

Topographic: Valley flat

Not Reported Site type: Ground-water other than Spring Date construction:

Date inventoried: 198506 Mean greenwich time offset:

Local standard time flag:

Single well, other than collector or Ranney type Type of ground water site:

Aquifer Type: Not Reported

VENANGO FORMATION Aquifer:

Not Reported Well depth: 90 Hole depth: Source of depth data: 444215700 owner Project number: Real time data flag: Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: Peak flow data end date: Peak flow data begin date: 0000-00-00 0000-00-00 Peak flow data count: Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: Ground water data begin date: 1985-06-00 Ground water data end date:

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel 33

1985-06

18 West 1/2 - 1 Mile Higher PA WELLS PA1000000169754

LOCALWELLN:

DATEUPDATE:

Not Reported

Not Reported

Not Reported WARREN WELLID: COUNTY:

AAPG:

TOPOGRAPHY: Not Reported WELLDEPTH: 0

ELEVATION:

ELEVMETHOD: Not Reported ACCURACYOF: Not Reported HYDROLOGIC: Not Reported LATLONGACCURACY: Not Reported QUAD: TYPEOFSITE: SHEFFIELD WELL

DATECREATE: Not Reported Not Reported DATARELIABILITY:

SOURCE DEPTH DATA: Not Reported MUNICIPALITY: SHEFFIELD TWP.

LATITUDEDD: 41.705 LONGITUDED -79.05 DEPTHTOBED: DATEDRILLE: Not Reported 219781 PAGWIS ID:

Construction Information:

Construction Date: Not Reported Driller: Not Reported Source Cons Data: Not Reported Method Cons: Not Reported Finish: Not Reported

Water Use Information:

WITHDRAWAL Site Use Water Use: PUBLIC SUPPLY

Owner Information:

WEST SHEFFIELD WATER ASSN

Date Ownership: Not Reported

Remarks Information:

Population Served = 270 Remark:

Remark Date: Not Reported

Other ID Information:

6620007 Other I D Assignor: PA DEP PWSID Other Identifier:

Map ID Direction Distance

Well ID:

EDR I<u>D Number</u> Database Elevation G19 NE 1/2 - 1 Mile Higher PA WELLS SPAW0098494

Owner's Name: POLLOCK JOSEPH County WARREN Latitude: 414243 Longitude: 790110 Lat/Long Accuracy: ACCURATE TO +1 MINUTE Quadrangle: SHEFFIELD Hydrologic Unit: Water Usage: 05010001 HILLSIDE Topographic Setting: Site Usage: WITHDRAWAL DOMESTIC Finish: Well Depth: OPEN HOLE 54 Casing 1: 54 Casing1 Diameter(inches): Casing2 Diameter(inches): Casing2: Not Reported Not Reported Grouted: Date Drilled: 07-26-89 No Static Water Level: 20 Production WL 20 Yield (gpm): Yield Measurement Method: Not Reported Drawdown: Not Reported Test Time: 0.5 1410 Bedrock: Not Reported Driller: 50

Water Bearing Zone 2: Water Bearing Zone 1: Not Reported Not Reported Water Bearing Zone 3: Lithology: OTHER SHEFFIELD Municipality: Remark

RT=SAND-WATER VENANGO FORMATION Aquifer:

G20 NE 1/2 - 1 Mile Higher

WELLID Not Reported LOCALWELLN: 0743N

COUNTY: WARREN AAPG: 341VNNG TOPOGRAPHY: HILLSIDE WELLDEPTH: ELEVATION:

ELEVMETHOD: Not Reported ACCURACYOF HYDROLOGIC: Not Reported 05010001

LATLONGACCURACY: ACCURATE TO +1 MINUTE

0743N

QUAD: SHEFFIELD TYPEOFSITE: WELL

DATECREATE Not Reported DATEUPDATE: LOCATION MAY NOT BE ACCURATE (WWI paper)

DATARELIABILITY:

SOURCE DEPTH DATA: DRILLER'S RECORD MUNICIPALITY: SHEFFIELD TWP. 41.71194 -79.01944 LATITUDEDD: LONGITUDED: DEPTHTOBED: DATEDRILLE: Not Reported PAGWIS ID: 143038

PA WELLS

Not Reported

PA1000000169955

Construction Information:

07/26/1989 00:00:00 Construction Date: Driller: 1410

DRILLER'S RECORD Source Cons Data: Method Cons: Not Reported OPEN HOLE Finish:

Casing Information:

Top Of Casing: Casing Wall Thickness: Not Reported

Bottom Of Casing: Casing Diameter:

Casing: Not Reported

**Geohydrologic Information:** AAPG:

341VNNG Lithology: Contributing Unit: PRIMARY

Top Of Interval: Not Reported Bottom Of Interval: Not Reported

Water Use Information:

WITHDRAWAL Site Use DOMESTIC Water Use:

Owner Information:

POLLOCK JOSEPH Owner: Date Ownership: Not Reported

Remarks Information:

Remark RT=SAND-WATER Remark Date: Not Reported

H21 NE 1/2 - 1 Mile Higher PA WELLS PA200000001505

WELLID 414249079010901 LOCALWELLN: SP118 WARREN SHEFFIELD UPLAND DRAW 1420 COUNTY: QUAD: TOPOGRAPHY: ELEVATION: ELEVMETHOD:

INTERPOLATED FROM TOPOGRAPHIC MAP

HYDROLOGIC: 05010003 LATLONGACC ACCURATE TO +1 SECOND

TYPEOFSITE:

FORMATION: 341VNNG

FIELD CHECKED BY REPORTING AGENCY (PaDAg pest. survey) DATARELIAB:

UNNAMED SPRINGNAME: FRACTURE Not Reported SPRINGTYPE: PERMANENCE: Not Reported 62922 SPHEREOFDI:

MUNICIPALI:

DATECREATE: Not Reported DATEUPDATE: Not Reported

LATITUDEDD: 41.71361

LONGITUDED: -79.01917 PAGWIS ID: 221053

H22 NE 1/2 - 1 Mile Higher USGS2251440 FED USGS

Site no:

414249079010901

USGS WR SP118 Site name: 414249 0790109 Latitude: 41.71367207 Longitude: Dec lat: -79.01892797 Coor meth: Dec Ion: Coor accr: Latlong datum: NAD27 Dec latlong datum: NAD83 District: 42 State: 42 County: 123 Country US Land net: Not Reported Location map: SHEFFIELD Map scale: 24000 Altitude: 1420 Altitude method: NGVD29 Altitude accuracy: 010 Altitude datum:

Middle AlleghenyTionesta. Pennsylvania. Area = 1670 sq.mi.

Upland draw

Hydrologic: Topographic: Site type: Not Reported Date construction: Spring 19850723

Date inventoried: Mean greenwich time offset:

Local standard time flag: Type of ground water site: Spring

Agency cd:

Aquifer Type: Not Reported

VENANGO FORMATION Aquifer:

Well depth: Hole depth: Not Reported Not Reported Not Reported 444215700 Source of depth data: Project number: Not Reported Not Reported Daily flow data begin date: Daily flow data count: Not Reported Real time data flag: Daily flow data end date: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

### AREA RADON INFORMATION

State Database: PA Radon

Test Result Statistics

Zip	Total Sites	Min pCi/L	Max pCi/L	Avg pCi/L
16347	8	.5	2.4	1.4

EPA Region 3 Statistical Summary Readings for Zip Code: 16347

Number of sites tested: 17.

Maximum Radon Level: 176.2 pCi/L. Minimum Radon Level: 0.2 pCi/L.

pCi/L pCi/L pCi/L pCi/L pCi/L pCi/L 20-50 <4 4-10 10-20 50-100 >100 12 (70.59%) 1 (5.88%) 2 (11.76%) 0 (0.00%) 1 (5.88%) 1 (5.88%)

Federal EPA Radon Zone for WARREN County: 2

Note: Zone 1 indoor average level > 4 pCi/L. : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

### TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5 Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

### GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arnott and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

### LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

### Pennsylvania Public Water Supply Wells

Source: Pennsylvania Department of Environmental Resources Bureau of Water Supply

Telephone: 717-787-5017

### Pennsylvania Groundwater Information System

Source: Department of Conservation and Natural Resources

Telephone: 717-783-7258

### OTHER STATE DATABASE INFORMATION

#### RADON

### State Database: PA Radon

Source: Department of Environmental Protection

Telephone: 717-783-3594

Radon Test Results Statistics by Zip Code

### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### **EPA Region 3 Statistical Summary Readings**

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia

### PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

### STREET AND ADDRESS INFORMATION

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## **APPENDIX C**

## **Site Photographs**



Front of Home Looking East



East Property Boundary



Back of Home Looking West



Looking South Along West Property Boundary



North Property Boundary



Living Room



9" x 9" ACM Tiles in Bathroom



Non-ACM Plaster Ceiling



Furnace Condensate Line Leak in Basement



Light Water Stains on Floor Near Sump Pump

## **APPENDIX E**

## **Asbestos Survey Report**

### Amark Environmental P.O. Box 9565, Erie, Pa. 16505 814-833-6962

February 3, 2007

Dear Mr. Lucy:

Based upon your request, I conducted a walk-through inspection and sampling of the Sheffield Residence, December 13, 2006. The purpose of the survey was to locate and identify any accessible asbestos containing building materials (ACBM). All suspect ACBM have been analyzed with Polarized Light Microscopy by and independent NVLAP certified laboratory. This asbestos report, indicating the results of the inspection, is followed by the laboratory report. An EPA accredited asbestos inspector, Mark Mittelmeier, certified by the Commonwealth of Pennsylvania, conducted the inspection.

### SITE DESCRIPTION AND SAMPLE COLLECTION

The Sheffield Residence, located in the village of Sheffield, Pa. in Sheffield Township, Warren County, Pa. presents as a dwelling constructed for a residence.

A sampling strategy was devised regarding the collection of samples of building materials for collection and analysis for the presence of asbestos. Only readily observable materials were sampled.

In total, 10 individual bulk samples of building materials were collected. Please see the accompanying Sample Location Table for a list of the building components sampled and their locations, and see the Bulk Asbestos Analysis by Polarized Light Microscopy for the results of their analysis. Samples were collected of roofing materials, 9" x 9", floor tiles, linoleum, ceiling plaster and duct tape.

The reader is advised that an asbestos containing material is defined as any material containing greater than 1% asbestos.

### DISCLAIMER

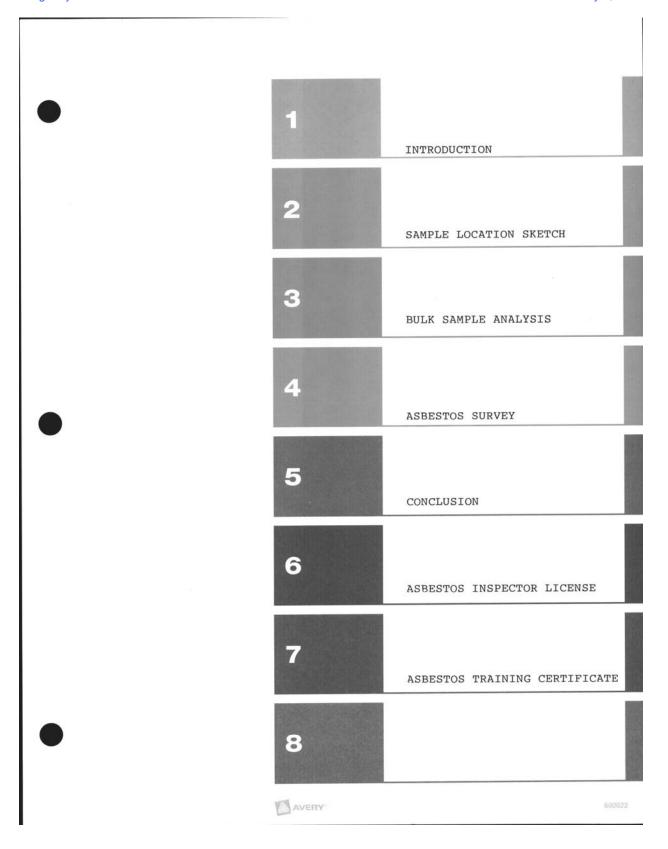
This asbestos inspection report was prepared by Amark Environmental. The purpose of this inspection was to provide information regarding the presence of accessible and exposed building materials that commonly contain asbestos for the side identified as the Sheffield Residence.

There is a potential for the presence of asbestos in materials that are not readily

observable or exposed or that were not physically accessible to the asbestos building inspector. Although reasonable efforts were made to assure completeness of this inspection, some areas of the building were inaccessible, e.g. behind walls, above the ceilings.

Should you have any further questions regarding this study, please do not hesitate to contact the undersigned.

Mark Mittelmeier Certified Asbestos Inspector



LIVING room 91.3HS OF THE 8.3H2. Front Restroom · SHE-3 Back SHE-1/ Restroom Street Bedroom Bedroom Back SHE-2

Sheffield RESIDENCE

Jan. 2. 2007 8:52AM

## AGX, Inc.

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Air Monitoring Testing Laboratory Project Management Surveys

### REPORT OF **BULK SAMPLE ANALYSIS**

Report To:

Amark Environmental LLC P.O. Box 9565 Erie, PA 16505

Attention:

Mr. Mark Mittelmeier, Sr.

Lab No: 0612166 Client Code: AME Client No: Verbal Sampled by: Client Date Received: January 2, 2007 Date Analyzed: January 2, 2007 Date Reported: January 2, 2007

Project:

Sheffield Home

	361486	361487	361488
sample 1.b.	SHE-01 Ceiling Plaster Back Restroom	SHE-02 Ceiling Plaster Back Bedroom	SHE-03 Linoleum Front Restroom
Is It Homogeneous?	No	No No	No
Does It Contain Layers?	Yes	Yes	Yes
Is the Sample Fibrous?	Yes	Yes	Tan/White
Sample Color:	White/Brown	White/Brown/Tan	Yes
Asbestos Fibers? Asbestos Type Present: (Type and Percent)	None	None	Chrysotile 90% in backing
Total Percent Asbestos:	1 0%	0%	45%
Other Fibrous Materials (Type and Percent)	-	Cellulose	Cellulose 6%
Nonfibrous Constituents	s Not Analyzed	Not Analyzed	Not Analyzed

Sample analyzed according to EPA Method EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be distincted, except in full, without written consent of AGX, Inc. Reports may not be altered by client. AGX, Inc. is Accredited by the National Institute of Standarda and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. Laboratory Identification Number 191578. This report may not such that the content of the conten

Reviewed and Approved By:_		Analyzed By:_		
AGX, Inc.	Daniel Winkle Laboratory Manager	AGX, Inc.	Mark Porter Geologist	

## AGX, Inc.

Air Monitoring Testing Laboratory Project Management Surveys

### REPORT OF **BULK SAMPLE ANALYSIS**

Report To:

Amark Environmental LLC P.O. Box 9565 Erie, PA 16505

Attention:

Mr. Mark Mittelmeier, Sr.

Sheffield Home

Lab No: 0612166 Client Code: AME Client No: Verbal Sampled by: Client Date Received: January 2, 2007 Date Analyzed: January 2, 2007 Date Reported: January 2, 2007

Project: 361491 361490 361489 Sample I.D. SHE-06 Ceiling Plaster Kitchen SHE-05 SHE-04 Client I.D. Sample Description: Linoleum Ceiling Plaster Bedroom over Garage Back Restroom No No No Is It Homogeneous? Yes Yes Does It Contain Layers? Yes Yes Yes Yes Is the Sample Fibrous? White/Brown Tan/White/Blue White/Brown Sample Color: Does the Sample Contain Asbestos Fibers? Asbestos Type Present: (Type and Percent) No Yes No Chrysotile in backing None None 0% 45% Total Percent Asbestos: Other Fibrous Materials Cellulose 8% Cellulose Cellulose (Type and Percent) 15% 15% Not Analyzed Not Analyzed Nonfibrous Constituents Not Analyzed

Sample analyzed according to EPA Method EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by client. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. Laboratory Identification Number 101578. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above.

Reviewed and Approved By:\_

AGX, Inc.

Daniel Winkle Laboratory Manager Analyzed By:

AGX, Inc.

Mark Porter Geologist

such

## AGX, Inc.

Air Monitoring Testing Laboratory Project Management Surveys

### REPORT OF **BULK SAMPLE ANALYSIS**

Report To:

Amark Environmental LLC P.O. Box 9565 Erie, PA 16505

Attention:

Mr. Mark Mittelmeier, Sr.

Sheffield Home

Lab No: 0612166 Client Code: AME Client No: Verbal Sampled by: Client Date Received: January 2, 2007 Date Analyzed: January 2, 2007 Date Reported: January 2, 2007

Sample I.D.	361492	361493	361494
Client I.D. Sample Description:	SHE-07 9" Floor Tile and Mastic Kitchen	SHE-08 Ceiling Plaster Front Closet	SHE-09 Duct Tape Basement
Is It Homogeneous?	No	No	Yes
Does It Contain Layers?	Yes	Yes	No
Is the Sample Fibrous?	No	Yes	Yes
Sample Color:	Brown	White/Tan/Brown	Tan
Does the Sample Contain Asbestos Fibers?	No	No	Yes
Asbestos Type Present: (Type and Percent)	None in tile	None	Chrysotile 92%
Total Percent Asbestos:	0%	0%	92%
Other Fibrous Materials (Type and Percent)	Cellulose 2%	Cellulose 15%	Cellulose 6%
Nonfibrous Constituents	Not Analyzed	Not Analyzed	Not Analyzed

Sample analyzed according to EPA Method EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by client. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. Laboratory Identification Number 101578. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested and identified above.

Reviewed and Approved By:

AGX, Inc.

10 Daniel Winkle Laboratory Manager

Analyzed By: AGX, Inc.

Mark Porter Geologist

## AGX, Inc.

- Air Monitoring - Testing Laboratory - Project Management - Surveys

### REPORT OF **BULK SAMPLE ANALYSIS**

Report To:

Amark Environmental LLC P.O. Box 9565 Erie, PA 16505

Attention:

Mr. Mark Mittelmeier, Sr.

Sheffield Home

Lab No: 0612166 Client Code: AME Client No: Verbal Sampled by: Client Date Received: January 2, 2007 Date Analyzed: January 2, 2007 Date Reported: January 2, 2007

Project: 361495 Sample I.D. SHE-10 Roof Shingle and Client I.D. Sample Description: Paper No Is It Homogeneous? Does It Contain Layers? Yes Yes Is the Sample Fibrous? Sample Color:
Does the Sample Contain
Asbestos Fibers?
Asbestos Type Present:
(Type and Percent) Black/Orn/Yellow No None Total Percent Asbestos: Other Fibrous Materials Fibrous Glass (Type and Percent) 18% Cellulose 2% Nonfibrous Constituents

Sample analyzed according to EPA Method EPA/600/R-93/116. Results are reported as estimates of percent area, subject to variability and are specific for material analyzed. Reports cannot be duplicated, except in full, without written consent of AGX, Inc. Reports may not be altered by client. AGX, Inc. is Accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program for selected test methods for analysis of bulk samples by Polarized Light Microscopy. Laboratory Identification Number 101578. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Results reported herein relate only to the samples tested only to the samples the samples that the samples the samples that the and identified above.

Reviewed and Approved By:

AGX, Inc.

Daniel Winkle Laboratory Manager Analyzed By:

AGX, Inc.

Mark Porter Geologist

5	Sheffield Residence	)			
Location	Suspect	ed Material Fria	able Asbes	tos Condition	Amount
Back bedroo	m ceiling p	olaster No	No	Good	
Back restroo	m linoleum	No No	Yes	Fair	100 sq. ft.
Back restroo	m ceiling p	laster No	No	Good	
Corridor	ceiling p	laster No	No	Good	
Street bedro	om ceiling p	laster No	No	Good	
Front restroc	m linoleum	No No	Yes	Fair	50 sq. ft.
Front restroc	m ceiling p	laster No	No	Fair	
Main bedroo	m ceiling p	laster No	No	Good	
Kitchen	9x9 floo	r tile No	No	Fair	
Kitchen	floor tile	mastic No	No	Good	
Kitchen	ceiling p	laster No	No	Good	
Living room	ceiling p	laster No	No	Good	
Front closet	ceiling p	laster No	No	Good	
Basement	duct tap	e Yes	Yes	Fair	60 linear fee
Exterior:					
Roof r	oof shingles and pa	aper No	No	Fair	

### Amark Environmental P.O. Box 9565, Erie, Pa. 16505 814-833-6962

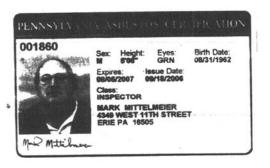
February 3, 2007

The Sheffield residence is one story, with basement, three bedroom dwelling constructed of wood, concrete block in 1961.

The following materials were found to contain asbestos:

Linoleum - 150 square feet Duct tape - 60 square feet

Cost to remove the asbestos linoleum would be \$800.00 and to remove the asbestos duct tape - \$700. The above mentioned price includes disposal into an EPA approved landfill, as well as all required air monitoring. All work shall be performed in accordance with Federal, State and Local regulations.



August 5, 2006 Exam Date

August 5, 2007

Expiration Date

August 5,

2006

Course Date(s)

187-58-5052-ST

Certification Number



This certifies that

MARK MITTELMEIER

Has successfully completed the requisite training for Asbestos Accreditation and passed an examination for

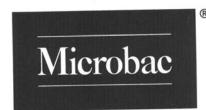
BUILDING INSPECTOR REFRESHER

In accordance with Section 206 of the Toxic Substances Control Act (TSCA) Title 11

Janua S

GST Co. 50 Progress Avenue Cranberry Township, PA 16066

## APPENDIX F Lead-Based Paint and Risk Assessment Report



ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509 (814) 825-8533 FAX (814)825-9254

STATE CERT ID. 25-067, 10121 C-PA-05

MARK MATROZZA , MANAGING DIRECTOR

http://www.microbac.com E-Mail: erie@microbac.com

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### **CERTIFICATE OF ANALYSIS**

### LEAD BASED PAINT INSPECTION

at

### ALLEGHENY NATIONAL FOREST

Work Order No.: 0701-02250

Invoice No.: 12796

Date Performed:

Date Reported: 02/02/2007

Performed For: MARK MITTELMEIER

AMARK ENVIRONMENTAL

P.O. BOX 9565

ERIE, PA 16505

Survey Performed By:

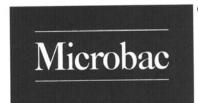
Mark Murphy

Lead Based Paint Risk Assessor Certification No. 003903

Report Reviewed By:

Mark A Matrozza

Managing Director



ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509

STATE CERT ID. 25-067, 10121 C-PA-05

(814) 825-8533 FAX (814)825-9254

MARK A MATROZZA , MANAGING DIRECTOR

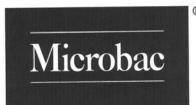
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### CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250

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Overview		5
Conclusion		6
Table of Results		9
Attachments		



ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509 (814) 825-8533 FAX (814)825-9254

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### **CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250**

### EXECUTIVE SUMMARY

The summary below is a brief description of your results. Please refer to attached report for further information and recommendations.

The Lead Based Paint Inspection indicates the presence of components with lead based paint throughout the home. These areas are listed in the Table of Results on Page 9.

Note: An inconclusive sample result is one in which the field employed analytical instrument is unable to determine whether or not lead is present at the HUD regulated level. An inconclusive sample result should be considered positive for lead content. A bulk sample of the inconclusive component could be collected and analyzed in the laboratory for a definitive lead content result.

A copy of this summary must be provided to new lessees (tenants) and purchasers of this property under Federal Law (24 CFR Part 35 and 40 CFR Part 175) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to all tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by U.S. Governmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead based paint hazards. (See Section IV or Chapter 7 of the HUD Guidelines for further details) www.hud.gov.

Additional Notes:			



ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509 (814) 825-8533 FAX (814)825-9254

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### **CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250**

### LEAD BASED PAINT INSPECTION - INTRODUCTION/METHODOLOGY

A Lead based paint inspection was performed by Microbac Laboratories, Inc. Erie Testing Division at ALLEGHENY NATIONAL FOREST . Microbac performed the survey on . The survey was performed by Mark Murphy , Pennsylvania Lead Based Paint Inspector Certification No. 003903, who is licensed to use the radioactive source present in the instrument.

A RMD LPA1 Spectrum Analyzer was used to perform the survey.

The RMD LPA1 utilizes a cobalt 57 radioactive source. The instrument is adequately shielded to prevent the operator and any occupants of the building from radioactive energy.

Data specifications:

Precision of Results

Wood, drywall  $\pm 0.10 \text{ mg/cm}^2$ Concrete, metal  $\pm 0.15 \text{ mg/cm}^2$ 

Accuracy of Results

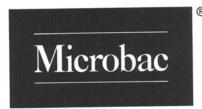
Wood, drywall  $\pm 0.10 \text{ mg/cm}^2$ Concrete, metal  $\pm 0.15 \text{ mg/cm}^2$ 

Operational specifications:

Depth of measurement 3/8" maximum

Substrate effect Automatic compensation (spectrum analysis)

The XRF survey, which is recommended by Housing and Urban Development and the Environmental Protection Agency, is the first step in a lead based paint management program. The XRF instrument has inherent limitations. Results are based upon statistical variations and should be used as a screening process only. If positive readings or readings close to positive levels are found, additional steps would include collection of paint chip samples and analyses using laboratory methods (AA or ICP techniques).



ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509 (814) 825-8533 FAX (814)825-9254 MARK A MATROZZA , MANAGING DIRECTOR

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### **CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250**

### LEAD BASED PAINT INSPECTION - OVERVIEW

The Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing manual developed by the U.S. Department of Housing and Urban Development sets forth various methods for lead based paint inspections. The most conclusive, therefore preferred method, is collection of paint film samples with subsequent laboratory analysis (AA or ICP). This method may be used but is not recommended because it is time consuming, costly and requires repair of surface where paint chip (film) sample was collected.

The recommended primary method is the portable XRF (X-Ray Fluorescence) instrument. The technology behind this method is to expose the painted surface to other high energy radiation (such as gamma rays). This radiation causes the lead in the paint to emit energy at a characteristic frequency. The intensity of this radiation is measured by the XRF detector(s) which converts the intensity of the signal to a number which represents the concentration of lead in the paint. The results are usually reported in milligrams per centimeter squared (mg/cm²).

In some cases, the XRF instrument may not be used on all surfaces due to configuration of the component (e.g. round or inaccessible to XRF unit). In this case, a laboratory paint chip sample is recommended.

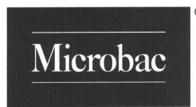
Most XRF instruments have XRF Performance Characteristic Sheets provided. These performance characteristics have been developed for that specific XRF by the EPA/HUD. They provide ranges of XRF accuracy and precision on various substrata surfaces such as drywall, plaster, brick, metal, plaster and wood. Substrata correction may need to be applied for each different substrata material.

Most XRF units report results in the L & K shells of the fluorescence (x-ray energy). The XRF instruments direct high energy photons onto the painted surface. The lead in the paint causes the photons to impinge on the lead atom and ultimately causes electrons from the K- or L- shell to be ejected.

The L-shell fluorescence (x-ray energy) has longer wavelengths (therefore lower energy) and is less penetrating. Due to this fact, L-shell x-rays released from greater depths of paint are less likely to reach the surface than K-shell x-rays. Consequently, a high L-shell reading indicates the lead containing paint layers are within 6-8 layers of the surface. Using just the L-shell x-ray measurement may severely underestimate the lead concentrations.

Instruments using K-shell x-rays also have a degree of error since they can penetrate deeply and detect lead in materials beyond the painted surface such as the metal substrata, metal conduit in walls and ceilings or even nails. Typically the K-shell x-rays have an error rate smaller than the L-shell x-rays.

While the XRF method of surveying is not without limitations, the speed, cost efficiency and non-destructive nature of the testing is very useful as a first step in the lead based paint inspection program.



### <sup>®</sup> Microbac Laboratories, Inc.

ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509 (814) 825-8533 FAX (814)825-9254

STATE CERT ID. 25-067, 10121 C-PA-05

MARK A MATROZZA, MANAGING DIRECTOR

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## CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250 LEAD BASED PAINT INSPECTION - CONCLUSION

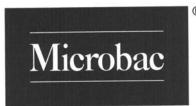
While the results of the XRF survey may reveal that lead in paint levels are not above 1.0 mg/cm<sup>2</sup>, this does not necessarily indicate that lead is not present and that a lead exposure hazard is not present. The 1.0 mg/cm<sup>2</sup> (XRF reading level) and 0.5% or 5,000 mg/kg (laboratory analysis level) have been set forth by HUD and EPA as action levels. Is it safe to assume a lead concentration level of 0.49% is safe but 0.5% is hazardous? Of course not. Remember, the Consumer Product Safety Commission has set a level of 0.06% or 600 mg/kg as the level above which paint is considered lead based. The presence of lead in paint is always a potential hazard. When dealing with any painted surfaces, basic safety procedures should be adhered to. A few are as follows:

- Minimize dust generation and clean up all dust immediately. Do not use household vacuums, as they only spread the lead dust. Use wet methods (water with Cascade Dishwashing Liquid containing Trisodium phosphate).
- Do not use heat guns to remove lead based paint. At temperatures above approximately 700°F, lead fumes are generated. The lead fume particle is significantly smaller than lead dust and in addition to being much more mobile, can be more readily ingested or inhaled. In this small particle size, the human body is able to absorb the lead much more readily.
- Avoid planting consumable vegetables or fruits in areas immediately
  adjacent to home exteriors with lead based paint on the siding or trim. The
  lead based paint chalks readily and rain washes the chalking lead off the
  exterior and onto the soil. Studies have shown significantly elevated levels
  of lead in soil under exterior walls.

If lead paint is present in an older home, lead dust may have been generated and could be present on interior surfaces, particularly carpeting, window sills and window wells. If lead dust is suspected, collection of dust samples using E.P.A. approved wipes can be used to determine concentration of lead in the dust.

We would recommend that if the surfaces found with positive or inconclusive readings are to be disturbed, paint chip samples be collected and analyzed using laboratory methods to confirm the existence of lead based paint.

Under the recently enacted Lead Paint Certification Program enforced by PA Department of Labor and Industry, all workers involved in the removal of lead based paint in target housing must be certified in Pennsylvania.



ERIE DIVISION 1962 WAGER ROAD ERIE, PA 16509 (814) 825-8533 FAX (814)825-9254 MARK A MATROZZA , MANAGING DIRECTOR

25-067, 10121 C-PA-05

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## CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250 LEAD BASED PAINT - LEAD HAZARD CONTROL OPTIONS

### Encapsulate:

Encapsulants are brushed, rubbed, or troweled on products, some of which are combined with a mesh system, to provide a barrier to lead based paint. Some may only work on walls, others on molding. Incorrect application or use on inappropriate or damaged surfaces may result in delamination of the substrate and/or system failure. A sound substrate is imperative for encapsulation to be effective. Durability of some products has not been proven. Workers may benefit from manufacturers training.

### Enclosure:

Enclosure materials are any rigid materials such as plywood, drywall, coil stock (sheet metal), rubber treads, etc. They are used to create a permanent barrier between the lead and the living space. They must be mechanically fastened and adhesive is also recommended. Proper installation requires back caulking of all perimeter edges with 25+ year caulk or adhesive caulk.

### Component Replacement:

This is the safest permanent intervention. It is also typically the most expensive; however it can be cost effective for components like windows and doors where additional benefits are realized such as weatherization, lower maintenance costs, and increase in property value. It will normally require enclosure of associated window sills, brickmold, or other trim parts. It may also be the most effective method when the substrate is badly damaged.

### Chemical Stripping:

Paint stripping is typically limited to building components which have historical value, such as arched shaped sashes or paneled doors. Stripping is an option, but commercial off-site stripping is preferred to on-site stripping. It can be effective on door and window components, however stripper affects the adhesive, and the component may be returned in pieces. It can be difficult to neutralize the substrate which is essential to the adhesion of new paint. On site stripping can be effective on small select areas such as thresholds or window stools.

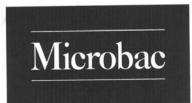
Chemical stripping presents a risk to workers, is difficult to clean up, and produces waste. It will, in most cases, need to be disposed of as hazardous material. Proper protective equipment is essential for worker protection. Methylene chloride strippers are banned by HUD and many states.

### Heat Gun Stripping:

This may be done only with a heat gun which is capable of producing no more than 1000° F. Improper heat gun use can produce toxic fumes; use of a powered air purifying respirator (PAPR) with organic vapor cartridge is necessary for worker protection. The waste will need to be disposed of as hazardous in most cases, and a fire hazard also exists. (Open flame burning of lead based paint is not permitted).

### Abrasive Hand Tools:

Sanders, sandblasters and needle guns are effective on metal substrates. Local exhaust, with HEPA filtration designed and installed by the manufacturer, are required for use on lead based paint. Proper maintenance of equipment is imperative and workers must be trained in the use of this equipment.



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25-067, 10121 C-PA-05

MARK A MATROZZA, MANAGING DIRECTOR

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## CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250 Inspector Information

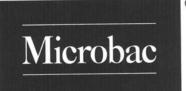
### Mark D. Murphy

Field Services Manager Microbac Laboratories, Inc. - 2000 to present

B.S., Science - Biology, Pennsylvania State University. Mr. Murphy performs asbestos bulk sampling as well as air monitoring for asbestos removal projects. Mr. Murphy also has experience in being in a plant environment.

### Course work includes:

- PA Bureau of Labor and Industry Licensed Asbestos Inspector/Management Planner #029294
- < Asbestos Management Planner Training Services International, Exp. 12-14-07 #029294
- < Asbestos Building Inspector Training Services International, Exp. 12-15-07 #029294
- Department of Agriculture Sampler Certification for Frozen Dessert, Exp. 3-07
- Visible Emissions Evaluation Eastern Technical Associates of Raleigh, NC, Exp. 4-11-07
- PA Lead Based Paint Risk Assessor and Inspector Certification #003903, Exp. 12-7-07
- Fundamentals of Industrial Hygiene AIHA, February 23, 2002



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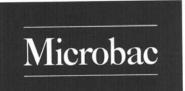
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### **CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250**

COMPONENT	XRF READING (MG/CM2	PAINT CONDITION	POSITIVE OR INCONCLUSIVE
MARIENVILLE GARAGE/SHOP NORTH OFFICE - MAIN OFFICE ROO	>9.9	Poor	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE - MAIN OFFICE ROO	>9.9	Poor	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE - MAIN OFFICE ROO	1.0	Poor	Inconclusive
MARIENVILLE GARAGE/SHOP NORTH OFFICE - MAIN OFFICE ROO	1.0	Poor	Inconclusive
MARIENVILLE GARAGE/SHOP NORTH OFFICE - MAIN OFFICE ROOM	0.3	Intact	Negative
MARIENVILLE GARAGE/SHOP NORTH OFFICE GARAGE WALL A	>9.9	Fair	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE GARAGE WALL B	0.1	Fair	Negative
MARIENVILLE GARAGE/SHOP NORTH OFFICE GARAGE WALL C	>9.9	Fair	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE GARAGE WALL D	>9.9	Fair	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE GARAGE	>9.9	Fair	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE GARAGE	>9.9	Fair	Positive
MARIENVILLE GARAGE/SHOP NORTH OFFICE EXTERIOR WALL A	>9.9	Poor	Positive
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WALL A	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WALL B	-0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WALL C	-0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WALL D	-0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WINDOW SILL	-0.1	Fair	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WINDOW FRAME	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM WINDOW SASH	-0.1	Fair	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM BASEBOARD	0.3	Fair	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM DOOR	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, LIVING/DINING RM DOOR FRAME	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN WALL A	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN WALL B	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN WALL C	-0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN WALL D	-0.2	Intact	Negative



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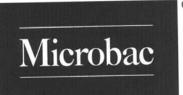
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### CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250

COMPONENT	XRF READING (MG/CM2	PAINT CONDITION	POSITIVE OR INCONCLUSIVE
9 MEAD ST, SHEFFIELD PA, KITCHEN BASEBOARD	0.2	Fair	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN WINDOW FRAME	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN WINDOW SASH	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN DOOR	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN DOOR FRAME	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN CUPBOARD	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, KITCHEN BASEMENT STAIR WALL	-0.1	Fair	Negative
9 MEAD ST, SHEFFIELD PA, HALLWAY WALL A	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, HALLWAY WALL C	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, HALLWAY WALL D	-0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, HALLWAY BASEBOARD	0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM WALL A	-0.1	Poor	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM WALL B	-0.1	Poor	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM WALL C	-0.2	Poor	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM WALL D	-0.1	Poor	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM WINDOW FRAME	0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM WINDOW SASH	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM DOOR FRAME	-0.0	Poor	Negative
9 MEAD ST, SHEFFIELD PA, NW BEDROOM BASEBOARD	0.1	Fair	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM WALL A	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM WALL B	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM WALL C	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM WALL D	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM WINDOW FRAME	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM WINDOW SASH	-0.0	Intact	Negative
9 MEAD ST, SHEFFIELD PA, SW BEDROOM DOOR FRAME	-0.2	Intact	Negative



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### **CERTIFICATE OF ANALYSIS FOR W.O. # 0701-02250**

COMPONENT	XRF READING (MG/CM2	PAINT CONDITION	POSITIVE OR INCONCLUSIVE
MEAD ST, SHEFFIELD PA, SW BEDROOM BASEBOARD	-0.0	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM WALL A	-0.1	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM WALL B	-0.0	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM WALL C	-0.1	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM WALL D	-0.1	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM WINDOW FRAME	0.0	Intact	Negative
	-0.1	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM WINDOW SASH	0.1	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM BASEBOARD	0.1	Intact	Negative
MEAD ST, SHEFFIELD PA, S BEDROOM DOOR FRAME	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM WALL A	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM WALL B	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM WALL C	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM WALL D	0.2	Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM DOOR FRAME	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM BASEBOARD		Intact	Negative
9 MEAD ST, SHEFFIELD PA, S BATHROOM WINDOW FRAME	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, MAIN BATHROOM WALL A	-0.3	Intact	Negative
9 MEAD ST, SHEFFIELD PA, MAIN BATHROOM WALL B	-0.1	- U000000	Negative
9 MEAD ST, SHEFFIELD PA, MAIN BATHROOM WALL C	-0.1	Intact	Negative
9 MEAD ST, SHEFFIELD PA, MAIN BATHROOM WALL D	-0.3	Intact	Negative
9 MEAD ST, SHEFFIELD PA, MAIN BATHROOM DOOR FRAME	0.2	Intact	
9 MEAD ST, SHEFFIELD PA, EXTERIOR WALL A	1.8	Poor	Positive
9 MEAD ST, SHEFFIELD PA, EXTERIOR BROWN TRIM WALL A	2.8	Poor	Positive
RIDGEWAY OFFICE - NW OFFICE WALL A	-0.2	Fair	Negative
RIDGEWAY OFFICE - NW OFFICE WALL B	-0.3	Fair	Negative
RIDGEWAY OFFICE - NW OFFICE WALL C	-0.1	Fair	Negative



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### **CERTIFICATE OF ANALYSIS**

AMARK ENVIRONMENTAL MARK MITTELMEIER P.O. BOX 9565 ERIE,PA 16505 Date Reported Date Received Order Number Invoice No.

1/4/2007 12/21/2006 0612-01384 10647 001328

Permit No. Cust P.O.

SUBJECT: RISK ASSESSMENT FOR ALLEGHENY NATIONAL PARK

ANALYSIS

Cust #

TECH ACCRED. RESULT DATE TIME METHOD TEST MARIENVILLE COMPLEX - GARAGE/OFFICE - SOIL FROM DRIPLINE 015 # ❖ 12/28/2006 MWR 15:09 SW846 6010B ICP LEAD IN SOIL 19,275 MG/KG 12/28/2006 15:09 MWR SW846 6010B ICP LEAD 12/28/2006 15:09 MWR CONCLUSION FOR BLANK 9 MEAD STREET, SHEFFIELD, PA - SOIL FROM DRIPLINE WALL C 12/28/2006 15:09 MWR SW846 6010B ICP LEAD IN SOIL 144 MG/KG 12/28/2006 15:09 MWR SW846 6010B ICP LEAD 12/28/2006 15:09 MWR CONCLUSION FOR BLANK

THE SAMPLE RESULTS HAVE NOT BEEN CORRECTED FOR CONTAMINATION BASED ON FIELD BLANKS (IF APPLICABLE) OR ANALYTICAL BLANKS.

THE REPORTING LIMT FOR LEAD ON A SWIPE IS <20UG/1SQ FT (WHEN ONE SQUARE FOOT IS WIPED), LEAD IN SOIL IS <12.5UG/2.0GRAMS, LEAD IN PAINT IS <12.5UG/0.5GRAMS, LEAD ON MCE FILTER IS <0.00625MG/VOLUME OF AIR SAMPLED IN M3.

Mark A Matrozza
Managing Director

Cheri A Brolaski Laboratory Director



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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research

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### **APPENDIX G**

## **Qualifications of the Environmental Professional**

# Ronald L. Lucy, Jr., CHMM Director of Environmental Health and Safety Engineering & Environmental Services, Inc.

### **Education:**

BS, Environmental and Hazardous Materials Management, 1995

MS, Environmental Management, 1997

CHMM, Certified Hazardous Materials Manager

### **Summary of Experience:**

Ron Lucy has over 14 years of experience working in the Environmental Industry. Projects include: Site Remediation, Sampling and Analysis, Hazardous Waste Management, Industrial Hygiene, Emergency Response, and Environmental Site Assessments.

The Projects have encompassed various levels of contamination from many types of contaminants such as asbestos, acids, bases, lead, hydrocarbons, organic compounds, PCBs, mercury, heavy metals, mold, and radiological that have affected air, soil, and water.

The projects and experience have been performed for a wide range commercial and government clients. Government Clients have included USACE (U.S. Army Corps of Engineers), USEPA (U.S. Environmental Protections Agency) Regions IV and V, ODNR (Ohio Department of Natural Resources), OEPA (Ohio Environmental Protections Agency), USDOJ (U.S. Department of Justice), and USDOE (U.S. Department of Energy). Commercial Clients have included Fortune 500 companies, Utility Companies, Transportation Industry, Chemical Manufacturing and Distribution, and Private Clients throughout several states.